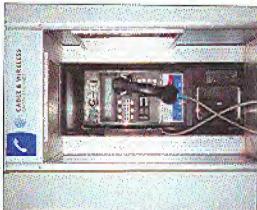
# Oridly Payphones



Stoffed down the phone's throat. Faciple in Judia Dailhi, India, Thet's educity a vater battle take a dim y owlod inadequals psyphones.

Photo by Tem Male



land, this phone seems overly modern tar such a Caymen Islands, From the Gland Cayman is:

Photo by Paul Benford

payphone photos that we've compiled! http://www.2600.com Come and visit our website and see our vast array of



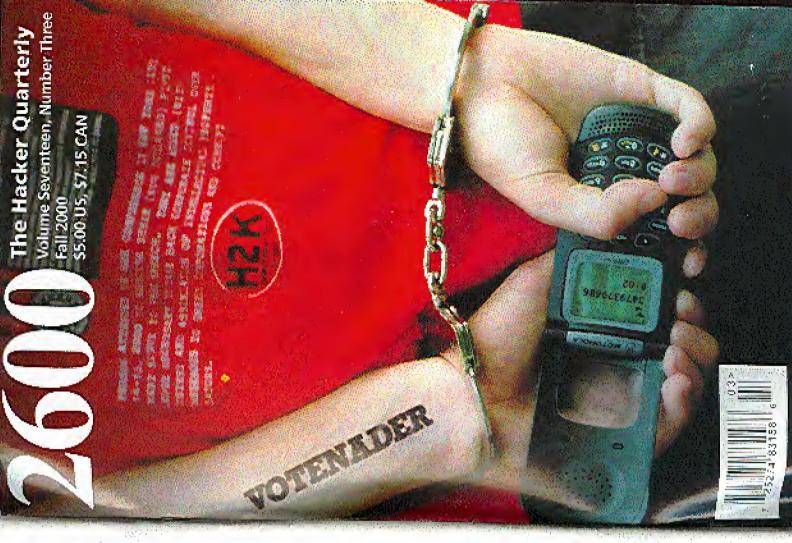
Lahune, Pakistan, Tris phone supposedly can あましたいかの

Photo by Turn Mele



Jerusallen, Jarael, Phones do not infolktivane fede. Not with that kind of enforcement.

Pixeto by M. Cameron Newell



"Anyone wishing to make lawful use of a particular movie may buy or rent a videotape, play it, and even copy all or part of it with readily available equipment." - Judge Lewis A. Kaplan's way of dealing with the fact that it's virtually impossible to do this with a DVD - his apparent solution is to just go back and use old technology that isn't subject to insane laws.

# T A F

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Braadcasi Georalivators: Juinta, Chote, Shiftlock, Silicen, AbsoluteO. Efmadman , BluKnight, Monarch, Fearfree, Mennonite, Sardonic

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Anspirational Moste, Ican Michel Jarre, Linton Kwesi Jehnson, Chappaquiddick Skyline, Great Sand, Mersary Ret.

Shout forts. There's no way we can give adequate credit to the scores of people who halped make H2K the memorable event it turned out to be, not can we properly acknowledge the many who took the time to come to our relative and also those who stood outside the courthouse and demonstrated, and we can never accurately thank everyone who helped make our decune many if regelem towntime? I happen, and white we re all it, we have to recognize the brayeard the folks who stood not all RC in Finlade tohis and the lots augless. All of these people have

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# CONTENTS OF COMMITH CARE

# A Summer of Trials

One thing the summar of 2000 will not be assumed that is deficient. We've never had so many different things come regetive or more to less the former may. Yet all gift those different things, we're assumed by those different things, we're assumed to walk and extremely relevant to where we are heads?

Many see it as a bad thing that the DoCSS trial durk metal our time as much as it distributions matery, there was not of a choice. Lake a danger are discussed our strength. Thanks to the support of the EFF and a possible of gerling our state and the basis of possible of gerling our state and the basis of possible of gerling our state and

It seemed obvious frictings, buginning that the court was sympathetic to the case of the Mesi, a and this was certainly borne out to the decision. But the exercise of the many thousands who have been following this case one way or no bave been following this case one way or no when around the globe only profit med that we succeeded in under this degree of knowledge in orthor rectained issues or the value of floation, of speech speech speech and it right away. Why their did our your system full to?

them over the net it was demonstrated rings copy unencrypted DVD files and then transfer ment was that this would also allow people to time and besidwight and that it woods altito be played on alternative platforms such by was granted a permanent injunction against on and again that such sold vity would also newsive Linux. The roads Barust of the MPAA's algapassing the DeCSS code which allows DVDs may have missed it in the media, the MPS.A. For those withour access to the act and who mass graves that corporate Amonica is digging extured that somegod as going to fail into the into an us versus thom focusing. And it's all but pendent artists, activists - it's repliety torbing eral concommittee (hackers, open source)) witeseen a very deducte change in tone within sev said hearing than anything else and solve cally, doublous such as this do more to foster and bringing down corporate Autorities fromcomes from to previous. The judge beight We can analyze it foreign. But it basically interested in causing problems, pareing plus into the motion that backers are epil and only

> the Hard man to the weekly have on Highly and of circumvening these many controls and reinto effect as scheduled in the Corole, it will this lawsuit and the tipped that will fellow every time you want to vice it. All of this is this of which you have to pay a fee to record of controls introduced on audio recordings and FBI warnings without the ability to with force consumers to sit through commercials nation of frair use which has always allowed one geographical regions to another title othercoding (preventing the visiting of DVDs river contiducit be capital and read through any extip of the booking. If the rest of the IPACA goes possible), but increasingly likely to be only the Copyright Act (the 1998 legislarics that made are only possible coder the Digital Millennium your Levents program and answer fee for And, with the Myrotrox HDTV, due to be sur will stop there, from will seem see the same kind through them. And stool's for a prospect, think it properties they we prechased, and the ability to sering the results of this in the form of region where you can access contain. Wo're alloady and may how people play digital modia. They It all centered around the MPAA-switter, conixing DVD player and since the cost of DVUs mutally prove pointless since encoupled likes for paisamers to make personal object of the ward to be able to theaste how, when, and, CONTROL WALL This Case was proposed Bloom product alers of Assistate a temporal or unastrated as well as

It's not too too to enake the DMCA into a political fact. There are no voting records on its passage other than Channo's signing it had law. Both the Atries and the Senate used votes to assure its passage. That means it's as good as unanimous. Every single elected official directs to be targeted appreciablely so that they realize what a bad mistake the DMCA is. It's extremely libely many of them didn't get the full story what they were recessioning it. It's up to use the earth they make the mistake the DMCA is. It's extremely libely many of them didn't get the full story what they were recessioning it. It's up to use to see that they understand it now. And if they refuse on, no replace them with someone who does.

The MPAA has gotten an impersive amount of bad publicity became of this case. Feople who series I over aware of who the MPAA was now

thick of them in a negative way. Two circlesy will be more contry than our loss. And altimately they example up to half consumers to story from the property with the least concentration became aware, or what this is concentration became aware, or what this is concentrated became aware, or what their concentration of the property materials are important or for easily about they understand the important of the case very quickly. Their's why pertains the work out to as many possible as passible teathering, demonstrations, webspaces, public for any is so with action stage.

When we've seen over the last few months as a direct result or this is the memorators provided activism in our compounty. The Bres Kevin mesonement stepted us in this direction and the DeCSS case give is a nest pust. This in turn has govern many order people involved and helped to solidify their because compounts that have always been higher are cannot count on the meltin come at the services are for the same things in different ways. Since we cannot count on the meltin come at them are swently evening the law of the points after the same for the same of the law off against early we have two its unisotees. As fell to Blaffo put it during his keynate underess in H2K, we must become the media."

ing on absendition take mail variets and "paten swayou to turn us into the enemy which makes rial" crimes, public opinion can be easily those in our community as priminals by focusthe global not to more fails loce. By partraying makes it possible. But the sea is also in Junger 日本のののから personal ad the more near yary in the syntact the governments against the three persection of stock options. More regularizes by activities are typing to shut as down. Tois can happen in of becoming co-opied by the same enrites who All of us have test solidly and the not is what? values race once held deer are cashed in for and away into corporate scrains where the served ways. Our bestand highlest oscilo-

Due Using that seemed to come our of this some men's H2K conference was the sorthwent that the first part of the K conference was the sorthwent that the first part of the K sorthwent factors and so store those that we've at early fort, the only way to anomaphish this is to got involved.

Where it's easy to just of back and let life hope you, joining forces and working towards a goal is what makes for significant always. And it also happens to feel great.

That's practicely why this year's conforces and more of an actions (should be in Welle the world of factors is obtained wheat playing which featon-logy figuring things out, and should information, proximal applicates have decided that these things are not to be tolerand. We find our stry existence - and that of fine thinky is of all

tury some inheatened in ways even we find ourrelies surprised by. While it is relatively simple
to choo work eyes and play bill, the mails
to choo work eyes and play bill, the mails
to would be nothing about of catastrophic. We
know to take a stand and we have no be selling
to be bloom of its sentiment enhance several time
the. We we saw this sentiment enhance several time
this your. Thrue issues not we took to be show of

a cell phono (1900) delicad by authorities as an prisons with inferly beneadous and burbanic words cares just for walking down a street with staffperson, were hunted down and present, joride. Suspected "Josephs," including a 2600 the streets by police firing rather highers (a. Philadelphia and Los Argodos, at the two major million do lars and except were thousant into implement of trime): Bail was set as up to a usabstrain meda dottally wear along for the practice introduced in South, last Nevenberg political secondations. Chowds were attacked an coud, This somener, history repeated ascilling As we suspected, it was the beginning of a partie sloop that the main sugary had ignored menta propio ascel the nation a major soyo o South and how for the tiest time independent We've seen this scatterent action diseases in no powerful protests were made illegal and the this your. Thrue issues ago we gold the slocy of

If you wanched the news and each the papers, you probably heard the want same woods repeated over any low-live that been actions using sometime justified. For those who were their being over the fact, a very different seasy from what was being reported on the mating stream method over the part of the fact of the mating from what was being reported to the mating stream method over the beauth of frontier on a new and long overflee board of media neg

cantrolled by corporate interests and a feelingation, government.

Tiretheard accounts got centrolled world in the farm of videa, audious and the worlds weed. Most of this was brained to the Internet but at least one brained new supplies channel - From Speech TV - analoged to being taken multiplicate of the process and the color brained the color brained the color brained the color brained that the color brain

expect to see in those "much titled" foreign nations, the enthod to some down hard on fissio independent anella, types, harassing them at over yoperanity, denying them across, and even going so far as to distript their legitimate which the unbelievable incident took places at the Democratic Convention in too Acpulse as the people in Franciscont TV were preparing a five horsekest. Policy came in and that force the facility because of a "howfurthest." But no the facility because of a "howfurthest."

Continued on page 47

# Kernel Modification Using LKMs

it(name == NULL);
prints("<1>usage: "asmod wippmed name=target o"\n");

by dalai (dalai@insomria.org)

beach you a few strings is no easy task, but wall worth the trouble of learn will each your interest if you are, maybe this with ing it. If you're not yet involved in it, maybe this Lights, and their use in the subject. Kernel hacking kernel modification, with periodian regent covered This grade explanes the reysocrous with eloc

crash course on the subject. they solvely work? In that case, I'll begin with a cipiles and sementics, and is a El programmer. exact Unix user, is fairly familiar with terrel prinministration tasks, but maybe you're not sure how That's you, and you've used LKMs in routine art-I'm assuring that the reader is an experi-

のでしているながら modules, using "wineld" (now knock). Don't forgat code into a running kenne; without interrupting any eroof. History also supports demand leading of "namoo" under tinex, and removed using "arv pried to a relocate begind (in) the illustrations of being system matte. Most basically an object is comoperating systems to allow the linking of object gen (1866) by tihux as we has some other modern An LKM, or Loadable Kernel Module, is a sys-

this function, as well as cleanup\_modint\_module() is called. All modules invaligation into the running system bornel and the function Once "named" is called, the module is inked

to be device thises or inamphhan-Lie to bandle system events, such as the functions contained within the modpurpose of mit produlet) is to replated ule() which is called at unloading. The

and without overhead of static libraries. YOR INSPECTOR WITH USE IN TACKES but you can nonetheless produce some continedize this, it sounds onepling mainy newcomers to kernel coding tracket, such as libe. It seems like to your heart's content, however you ss linkage goes. You are free to write ere sintier to that of "of, at least as for may not use functions contained in II. The actions performed by insmed

the expense electe. avoid decertion) and utilizing basic syst | Amounds < linux/string h> meia parts: steading a mortule (to Crissed here to all tree to employee you're currous about anything not distera resources from within a modulo. It The narrance this down to two

Tions and thought of our modification to be seen. We obdiously should reshould first determine where it is finely To it i processed bless, and the cety To effectively hide a module we Sealer Sealer

> functions do not appear in the termel symbol table, (gree/sayors, To be extra careful, we should fich the disk property of the house headed the mostly TO Delloy. emics, in softlien, we should ensure that ou

Sinuxinextule/19 neces requires little more than changing a few girmens and I suggest you need it. Plaguer's look-Unite Kernel." This is an expellent article for hecodules was first introduced to me in Phrack 52 values in monogy, which can be referenced with man article by Plaguez entitled Weakening the Removing a module from the system list of

allowed his polynique. eions agresined this line in semal module a which work an the newer 2.2 kernels. Eather kernel ver-Unfortunately Flaguez's technique does not

東海 11 所の 10 米球の 11 日本の 12 できない

not symptem. portinue:/\* don't list modules for ker-

This is not present in 2.2

S GA

below. It simply takes the specified module out of right teltar doing it. loaded. This will unload itself after curring, so ory. The target module must be selectly bean the module list leaving the actual module in mem-To remedy this I have written what you will find

-wiperiod.o--· WEEDING O

· dalsi(datai@insomnis.org)

osage: 'insmod wiperned namentarget.o'

" and wiperind will unlead itself. Also, because
" it unloads itself, wiperind cannot restore a module " into the list ofter it has been taken out Notice: The target module must already be loaded.

This is built for Linux 2.2.

ignore annoying secondary error repssages

供nclude dicux/mudale.no Dinglude <a href="mailto:clink">clink</a>lude <a href="mailto:clink">clink</a>Carolina</a>

char 'name; MOOU(E\_PARM(name, 's');

init modulo()

Strick module involve

(jesnup\_module() Todated 2n.3 /\* This will never be called. "/ HUMOS-VIEWS Miles IX Prod-Vnoxt-Vndeps = 0: Intod a thod-voext distant(dear\*; imod=next=name, name);
if(lead=next=next=next=f) /\* few reduct 1: printk("<1>Falure. Porhaps the target module soft prints, stopposession, Intel-veext ii Intel-veextvasse return 1; return 1; i" return 1 so it will unload. "? " You'd record "

ogs but it's much faster. booting, as the module is teclorizedly at the memwhich happens more often than you may think. while dreading a module and it refuses to unbad-This is very handy when you do sor waiting wrong Funning intorities purposed is not as selfo someused to remove a proken module from the Islings. This has another reefol function, it can be

SCHOOL

FORDER MORESER the figure efferencing you, eithough that agons symbol table. Second, If will keep any other mod-"PaxOr\_passwoods)" and its address in the kernel administrator from seeing annething such as procedures of a least speciment of the system ing this new, but why would we want to in the first namer ternal versions. There are new lasys of duter\_symbols". However that has changed with inglisted in keyme used to be handled by Tagra-Keeping components of your module from be-

to show up as keying can be done by simply orenot show up, wheness "introhan isslay" would. 65". For Instance, "state Infrount\_vots()" would eting the functions you wish to be hidden as "sta-Scientistly allewing some parts of your code

"EXPORT\_NO\_SYMBOLS" Into your moduly Alternatively, you can sip

> R 250 conewhere. This is defined in Albustinodule.hv

elen be effective, but that is travial. [[350]] (Teechon [[Ksyntabin.prevous]) PARING EXPORT NO SYMBOLS bluew 'k- bemani' rits- slubem woy grainsel

Using Kernel Resources

your pain system calls at rooting. things that a module can do, including how to add examples of this lift show you same interesting In the right hands the commodity is (not 110). As becomes part of the kernel and can do anything After these been leaded, your code of course

"keyms" ones not display symbols from "the kernet proper." You can view all symbols with "keyons an the "Royms" command. Note that by default ourse pressy vession of this list can be viewed with can readily talera) is located to target symple. The list of experted formal symbols (ones you

code that you would be able to do with any library lete your module, you can do anything from keeps! kemdi functions to operate. As a simple example: including libe. After all, thranks eventually rely on Even though you can be needly link libraries (000 pg - 000 cg)

Kerneli yan a cument-buig; timay go understood without mention that in

cinus/sched.by needs to be included. order to use the second exemple from shows,

in the kernel source, "kerneliesit.5" for example handle the absence of convenient library functions You can see how some inharant system calls

System Calls

other than netive platform. Birty, but not without for complifing and running castain programs on an for this would be to provide temporary portability district nonexistent. An exemple of possible use not be so defined as its adversional outpose, but would you want to do this? Its practical use may aciding system calla to a curning kernet. But shy Much many interesting is the possibility of

in Kesquionisty her, one for each system system call, initially registers are saved, a on the when the switch is made from user mode with the call\_NRLsyscalli, which reside in "void The actual call is indexed by numbers equiviried bounds, and cantrol is passed to the spacers call. to nake some that the requestion call is within person is made against the value of PR\_systems notionity. S, we see that several things happen Viewing the season by source in erchitablished

own system call as follows: Knowing the above we can implement our

#motode <a href="http://www.dule.ho #motode <a href="http://www.dule.ho #motode <a href="http://www.ho #motode <a href="http://www.ho

And we can call it as such:

| WH | THEY \$200, WORK

元 1888年

Or with \_system (0)

## Bottom-half Handlers

a small amount of work, and then return control to occurs the main interrupt bandle; will typically do to speed up system operation. When an interrupt system to spend a minimal engage of time within interrupt code. Daing things this way allows the will be executed. This is displayly the bulk of the the OS. At a later time the interrupt's bottom haif medianism of Unio. The purpose behind there is Bottom-trell trendlers are part of the Interrupt

our code executed as any real bottom-half a pottom half, mark it to be not, and thereby have built job the kernet, we can register a function as any actual interrupts. Using functions aready half handlers, even without providing support for It's very possible to register our earn bottom-

now you know to bust me when I say there's a But safe excusation exercise the trial supply by

sys\_ny\_func;

sec\_cell\_reprepared = (void \*) old\_wal = (vold ")  $sys_call[table[250])$ 

POPULATION

Intimodulo)

void rold\_val.

sentimege state in sys\_my\_fane(); externivo difeys\_call\_table]:

Sandrikage statio int

print() am a working system cell of () recurs or

Page 8

geanup\_incute()

 $syc_sal_table[250] = ord_yalt$ 

2600 Magazine

form a small facility for example, you may want to when a user logs mout. continuously check was admittang and report constant basis, so that we may repeatedly pura desired bit of code is executed on a relatively keinel that I present in this case, we do it so that purpose belaind some waird avaignization of the

upon every return from a system cell, as you can Kernetisotrajo 88 ved. see in architistificantal entry. S. Take a took at Bottom halves are checked for exequior.



init\_bh initializes a function as a handler, mark\_bh marks it to be executed upon the next soud for bottom-halves,

disable\_bh uninitializes it. Each time a bottom-half is run

it is removed from the queue, therefore we call mark\_bh after

each run of the registered function.

#include <!iinux/kernsl.h> 魅notude <inux/sched.h> 群ndude <inux/interrupt.h> #include <finux/module.h>

#define EMPTY\_BH 30

static void our\_helf(void \*);

init\_modute()

init\_bh(EMPTY\_6H, (void f) our\_helf);
mark\_bh(EMPTY\_6H);

redura 0;

Our\_half(suid 'nulf) static void

J" insert code here... "/

MRB\_YTAMB)49784 I" mark to run again "/

7000 0. cleanup\_module() disable\_bb(EKPTY\_BH);

# **GyberTime Software** HOW TO Hack

Encryption Table for Master Admin Account Password

hertimotis, the cholest way to buck it, and that the site (www.eyberEinesoftware.com) a \$5/5mer fee. The reason it is so popular is to It's networks to super up confusers for time-restriction program used by laternet ravings of a teenager with girl problems fixed. And I finish with some consension sincip other backs that also good to be no time flux. Then I go into detail about how arrows can get the admin password in offers a fully operational deventoes eafe's and other act clobs that offer access Cylectrics Software is the preferred by Waphle Namagahtzul In this sitted: I will explain what Cy-

c.'ct5'vlh global information.dbf. (C.'c15 tomer usage, and a client side that will it, so I did what any 2600 reader would is default inscallation. (The bash is knide ing access to 1) the password hash of cyunderstand how the algorithm was oneruncher that could neske heads or tales of password only.) Localdn't find a hash found the bash to be stored in the programs from the client compiler. I bettime and 2) the ability to run server the installation dispersely on the service side computer have read/write access to lock a computer until a customer logs tit. server side to sell invers and mention cusacter in the string so it will complete to the here's the coding table for alpha numeric ters to the heat made it a lot easier. So crypting the passwords/accounts but the do. I made my owar, it took a few hours to file. (It centains the admin legin rame and inheddod at the end of the rather small hash 612 HG, elever; but ohviously not character at left, i.e., password ABCD1 = ties. Company the gostilest of a least other races around with all the uson possibiliaccounts and passwords. I didn't want to fact that it dign't edd eny random cherac-That translates to the effect computer hev-The installation requires that the client The software has two main parts: 8

<u>⊏യത√ത്തകവരം</u>	-N≺X≶ <c⊣0x< th=""><th>DPOZEFX4 T</th><th>TO THEODY A</th></c⊣0x<>	DPOZEFX4 T	TO THEODY A
k*!686656\$408 L%N7777\$7\$T\$N77 I\$n868T8T\$n88 N£099989125039 mHJ<<< <z<z>!U&lt;&gt;&gt;&gt;&gt;&gt;&gt; BnA0,01nA. bOc1.120c. j*\$EREERER*SEE</z<z>	FIGURE OR OF THE PROPERTY OF T		85Zm-maSZ 8T0++++B+B+BbT0++ <z2c_cvz2_ 04FFFFVFVW04FF /2 G6GGWGWX2]GG  4 HHHHXHXY4 RH : -IIIIV4  -II</z2c_cvz2_ 

names and passwords is to do a scarch for the backups (\*.CTB) that store the pusswords in The less way to get CUSTOMER logic

> sneaky without telling you dike adding a limit 15 58 SEC. found that it was making changes to two keys So I set our to find it. And, using incontrol, I no taneded that will only let you make about paten). Cyfertine's sarver sâle has an annoyd to your autoease hat that formeds you'r care o leading unglans and stuff that like to the things toolbox voici), factoring is very useful for definition hack required the use of incontrol 4 (washing password was changed. The next part of the dend to hack Cyhorfiche so far was to down. view the passwords. Note that all that was soutched, use the customer server program to cleanest. Or once the Admin password is 340 u saleuctions before the pookage expires. verified to look through all the fals; as the load the program, read the manual, and uso

". HKEY\_LOCAL\_MACHINE/SOFT-

WARECIS BUE MODE

B. HKEY LOCAL MACHINESYS の形式を登録 lem/Comen/Control/Ser/Control/Win Biolety

method to just docode it each time. SULC LINE OVERY INSTALLABOR CREATES & DOS CORsaid the package had expired. So I ain proug any haddies at "cyberhouse" by adding the hous customers. But when I sned to impress that did let vice make 999 saves to my fichdays and a peticin. So I once again made a coding table. Now on my computer the chert is the energy to make up the "mambes! like the 999. uig table, but still, you can use the above tion between the key date and the remaining to actively listed to the changes as I kept.
This ing transactions with a furnious customer. and I ligured out (quite simply) the councils: As I bearied more about incombol I gov it

Usite tracking counter encryption table

	- 10 (C 4 C) (N C	]တည်း 
e Kark	(** 리 <b>크</b> 등 ** () (****)	8-2
	E - De -	is Xa
0	요요 오픈 얼마	OV No. TO
and the	Warner (SCHOOL)	

さんだけ 多日に出る国際はの個名目では

the and if you're thicking short purchasing the software you should at feast know, of The rest are pretty large, but they are effect, Well, that about covers the effic backs.

has see suto-run on it. The suce-run will play on are using a detate cupy every time you to-The evaluation copy will also you that

> ing will not appear. Most owners can't refuse the argo to put their own little message in its work on any game that takes a few seconds re-load a CGT icto. If your cafe has the registhe Message for the grove in load. This will on the stilly prempt, double clock on the game ever the prempt and you can play whatever's tered version of Cyberine, the deepe warto be played, then legues, signi, and wall at

puler, but all the useful shoreuts are gone.
The third way is to login, then flom the click capacity This will get you (no) the com-(if maping NT) logogical the computer and The sacond way to defee a as to login and

temento-minutese program. And of course at they are writty they will change as many to you're not stupich are you? get the Task Manager up, then close the cussomething like bey beant Driven exer from volume descript restant the example of section like in a CTRL ALT DEL lake crashy until your

probably frozer the server. Thus when your backup to restore fresh if not a full reinstallathe server will be totally rober and will need a son or's civetS directory and death every-thing. That will paper some damage and will the systems fast work your way up to the or may not have the office of letting you on The fourth way is totally wrong and may

With Hatthern pick. computer. Give the system a hard releast, and either remarks the cricis directory, or do the The fifth way is almost as bed fee the

than Rether, the chapt side outletter transition un employee passwood you can just login and the program with done. You won't show up on play undersocied. will simply close itself thus allowing you to the customer usage screen logged in as sid-And of course if you know the admin or

with the opposite sexbrevs in an effort to express my loost-union notation that the shared my band and eyenal changes to this article and would like to on a few old haters and I sharit stop appring oil midnight. Oh... wait, that was this three has been four days bow, and I made a few nbours ago.... Another thing. Should update, it since she doesn't seem to want out. I've taken digot like it so I stopped. But not arguence and she never seems baggy to see the. I rold her about my hashing a long time ago and she is showing me. Anything I do passes but of And if Linky I would like in say that my girl that answing look or inquiring or something but it has been a rush the whole time and I'm reality not as smart as what it may look like. stanced on this about two, days ago and I've weeks of time to accomplish, but in their Anyway. I am tempted to say this look me

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little as the war broke out. This weapon is propeelent of war came into its own around the same eared of the weapons developed during WWII, a Control of the processing of the most walk known and osapon ny ligip are prodem ensemal. While museur West Known yet mach more videsoned incoby Hiemlich VonScoopertraus the 53rd; World War III hoovy'ng a whole new cajegory of

real difference between their propagance and (esser exten). The department both used property Waking it to the deny. The Gentrane, and to a conn the riverer or a rendermen youth'd sordier We've all seen the draft poelers featuring

ighting outside. After the war alless and care cur mands went on so a subde under unier to the Charles that you won the way. tons were build up, but the beate for our, sides, the seas, and on the ground. The war for So while the war for our library signed on one

Dicholy. out who had the larger state black it. out the 50(s and 50)s; the US and the USSK sugged it but through the halpht of the Card Nor. This was not just a composition to find control the minds of their people most con-Ventons, it was also a fight to see who could eyes and early went on unabased. All through

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sty, on buttings, no the radio, in megadose in mades, on TV, britour opinipale( screens, they're been played over the phone white 200 Co. 1000 But when the Cold Warrended, the propa-gentle werd ended too, right? Unfortunately, and separate advertisements. They're in the to in plant, every day we are subjected to over houghts more torsely than any other batter and marketing: Companies bette for our propaganda, it's referred to as advertising marty sears, illowever, instead of paling it eques the government employed for so the compositions using the same of death to. Today our minds are continually funded

commercially broadcast during sports games, and possest commercials on Saturday incoming. Advana single group. This is why you a ways see been mossages at the largest process a concentration of ous calegories. You may be a guin-chewer, a our time. So what can you do about it? For Poer of Section Issues on octain ind vidual. People are like sheep: if you can conple of throwing the largest possible in moet of starters, you must understand what advertisers will follow the higher (interestingly enough, sheep whose the majority of them to come to you, the rest thing does not take into account the actions of the earth Advertising campaigns are built on the princh video gamen a nose picken, anything but a persource, you are a number. You samply talk into year-Pirk they know about you. To an advortising Advantage is truly one of the greatest exist of

> and some designed and the second of Ideal to the sciencite persons it with last a guiding get inside the mind of a child, in fact, a great deal basic Growslanding of polychology, one can easily light for the rest of the product making world as White the mainstream medianes attributed this sen werte is 'Gal them while the greyoung vertisats have decised. The guiding rule of West ATOMS BOSON (AT SE PROCESS WITH NOW SEE \$ 177) them, surpoine who aleves been in Toya Rijes. t is that kids will want their parents to buy like the advertising industry to help figure out just what of monoral style gay or progress are employed by well. Children ere very every to control . With only a,

region undefined when the sign is on public length deface advertising whenever possible. There's no of advertising propaganda? For startors, you can reason that a billboard or bloodlop olde ad should So what can you do to slow the creashing bide Indeed, Percises

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vertising ideal of Franching (Implitting your name in the authoria's mind) to here halptits. They Detail. Cope has small builded y lighted the adsymbol as the Christian cross (an arciant symbol a pomer shot). Odke is stinget as recognizable a goods to by far the Cook Colls outsigens. There is のなってはある。まならのではなりを持ちるのはいまし sponsor everything it is as if Claim wishes to be sure that no tun is that on planet Barth without THEY HOLD TO THE WORLD WHICH CORNEL CORNEL CORNELS the greatest work of propaganda even the Farelly, the world's lengess purveyor of prope-

as we have a mule botton on the TV. they make won. And we shall never lose as long government or company is able to think for you taked 14% the incertiespicable form. When a propegate in all is forms, especially government

the least your open and early choose groups

# AN INTRODUCTION TO SPRINT ION

by The Prophet

montos all of year indicates usage, and sell the data in or refer and supply saves that the result of the the speed has a standarday painting, asymptotic must be to the senice of a and leve in a single-family new RIPOS Different justs. To order Spaint IDN, you (ISH), all accessing telephone wining, and up to two Outes installation of Springs Integrated Services (Inh. subscribers, which will offer likely advancers and cannot The price for this service is \$150 per month counts, and a from Home Common USB (Spital count with disk-up rocess and five e-mail men aid. parkage. Internet service with two static IP withness at Apply 400 per month, Invalidation points 1500, and in-April 200 Mais to clara service almost accessioned garling of the Socal Deeph, spicionnil, in Facility ac-15the upstream (although this varies depending on the if the negative personed (Mitps) of enterests and call calling and a shared 750 magne loag distance this writing, there is only one service purhage and iag. called it in reinstant, and internet service are of IGN includes fas at and long distance colling, call was: 2832 ps up drawn, along with two telephone trace, for with it includes four tolerwise lines with callinged to and Seattle areas (and coming to other chies solve)." contable on a limber their in the Denner, Kansas Che. prograted veste and that some or referred, which is Spring Integrated Cir. Demand Service (ION) is an

Physical Topology

cattle still rand of line "thy pain." emelone Local Exchange Carner or JEEC). The ILIGO which is leased from your local phone company (in there element. One carries Internet data, one carries company, and Spirat's own equipment, ION survivo per being that Sprint leases from your local phase All M loop ours over a copper loop with no distlicate voice aggrating data, and one carries voice data. The Office uponeum (depending on distance). Trute inc. time, ranging from 4-85/thps downstream and 500Khps comes to you by way of a change their ATM contact. iee. the folegrated Services Hub (1850), a dry pair cor There are three main compensation to the ION res-

necessary to provide you with 1000 service, with the Appear's located en-location capy, which is inside of the and a Lucion 34-part DSLUM and is on the other side. exception of the dry pay, that is leased from your R.F.C. thus raight. Spring assistants all of the agripment HEC's control office (CO), Only amborized Sprint par-The Lower Stages, series DSLAM is lessible in something contractors can gain access to the use-level-Your ISB is in one wide of the ATM connection.

> 世代の母の後 and the ILPC or your behalf, you extract contact the If there is a problem with the thy Juin, Sprint must con

Integrated Services Mail.

Otherwise, the two units see functions by identical, the space for expursion that the larger black ISH date. signate for residential test. It is white, and does not have smaller version of the ISH is available, which is deselled primarily in small business and evaneous. A a stage like of this type out hande up to 12 thingson prome times on two KL 45 Jacks appear. This means that threat book, each of white the careers up to feet and office. On my 35H, there is more for saven sold-Ri-45 jocks and on cards, standar to the cords in a conused for the ATM controllou, and the regarding four, Con router and management, which you day Joyan Sprice ions. The large blick ISAI design is likely to be to 82-11 jecks are used for telephone lines. The RI-11 and jacks and has RI-5 jacks. One of the RI-81 jacks is bot that records had the wall. It contains for [8]-[1] to puriof the installation. If you later move he in-And the delication of the state The integrated Services Bub (1845 Is a combina-

examples directly into the RI-45 jack. The 18th openhalf-duplex. TWO BODG WIT Edition of Switch, you can also going at sable from one of the RI 45 Jacks on the ISH to my your house's desich telephone wining. I run a cressover ISHI back to the NED, whose each pair is a winested to stalled and thes here are the ISM and the Network by RE-11 cottle. The cottling is done by Spring ION's inwas at 100 as The 300 Base I speeds, in either that or space if pair cable and from the RCT1 jets of the terface There's Collision the side of your house, it. The ATM days exemples to your 15th by way of an

USED # has of active telephone calls, and more Sprint also segpumber of MAC addresses on your network. the name broad management Seatures. The Endelans can view the electly updates the coffware in the 19th, manaparent in Sprint connectedly printers a year 1811, and has

Voice Rossing

without to regular charactered voice matter plus 857 to AUM encapsed to ad IP position at the ISH, and makes is carried using Real Time Protioned (RTP), and signalareas. At Sprint's control office, those parkets are con-Area (348A), for example, the Kinners City or Tensor are to ADI cloud covers each Memopolitan Service over the ATM keep through Specie's ALM clope. A sep-Council Proceed (S.C.C.P). Both severals are convenied ing data is coming alongwith it many Stople Carrows? When you make a releptione call, your voice malifu

> our access charges in careging them. This makes 10% DO AND ATTAC trained internally) to the matter it will be coming of the for When englament video (which is presently builty magniful to as end-to-and ATM solution for voice and the first service where any Gull can be a local call. Bepurchase of charges, this is because Spring they are incalled an "consort call. On our calls are always free, repermains excitely within the Speint 2000 network; and is 1945250), etcept if a cull is to snother Sprint 10%: tively it is retire worted to Synta's long distance the (formarly Bollows) with are called Service Manager. exist exice even IP ever ADM is not officient. Sprint is on the type of traffic flang distance or local, respecdata. Tals is accomplished using proprietary belonds. author. If the call is to stocker Spenc ION neather, it with or to the local HLBC tables (westly a North) which may on 127 9000 selles computers. Depending

Data Rupling and Performance

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to been ally always processors again, Jean average SOR-KONO'S Income statist performance from states at 6.4 Major terratorium, and 610K bye upersaum this build exist in American water your voice religions stream and diddips apparent, it must be resignized that mus thousand data performance of 8Mbps downthe public patering points. While Sprint chains musiin Sources City. Since well compared private poers are https://exactes.org/enginesion.ps/routed/to-speinding.nes after failt in something sharing methods, or using thair Turns of Service) against functing bounce! the agest the distance, data remains speeds are often one male every thorough sectoral office and my horp opmer and the data person of the service. I am located Electrical and property that the property of the state of data traditions also carried as IP over ATM, All data trad-PPT, RAS, or IP runneding services. Like voice to fine servers, using network address translation (NAT) or DSL of earlie providers, beside methods (subject to table of MAC registrations and you county register. mated by the speed of the site that you are correcting has to traceutly clear the tolde Sprint, and to those more than 10 defection MAC pidensess before successing http://deginer.sprintboas.com. Sprint keeps a stabo

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> to Sprint 1006 staff. Franks, a video photo feature is in-You can also have beclimed support e-mail messages of

that these accounts can perform: rized to use Davitsian) and control which there are nally, you can create additional accounts that are applied ang in what mems with only a two mouse clicks). Fireleptiones ring failuretty you to change which phones can also strange the posts on the ISH on which some out waiting, and called to blocking from your PC. You Manager, Using Home Manager, you can control the between of oad the waters, honorows odd rejection. The cost interesting part of Duschourd is Bonds

your bill, and update billing information. ang in your plan. You will also be able to nize and pay view excess and size the number of minutes remain. play recommed messages on your PC, order pay-perthe S to Bucklewerk You will be able to relifere and In the hunce, Spring place to mail additional fea-

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groups within Specia (COS) autometically never allowed will vary depending in the type of houble. and sect to the appropriate "Exceptions." The fit appropri to falk to anyone outside of the TNSC. If the level of the give a limital ticket, which is assigned a seconity level beyond the very extract NSC's abother, they will to Collect Support inspire. They also serve as a faber to other fatives there are a timed to handle more routing give. Georgia, This is the first level of support, The represent boated so the few Seducions Content (INSC) in Asturea, ICO service call 1-577-806-4668. They are then con-Quelotters who are experiencing difficulty with

take se-and days to got a problem associated if meetible the Balley problems with the network, it can remediate cause of all of the different argumentations regardable. posterior are involved. network operations center bundles the problem. Beretwork has undergone a physical facture, the NUAC deal with ToPPs and the teacheure in the on focusion the ISMC in Karson (Fig. If the problems are deterorganization of CO's. If other equipment in the Sprint mined to be with the physical handworn. Regulateral and problems with which managements by and reduced to Local Network Operations (BUND) is consisted. They found to the Letternet Service Center (ISC) in Atlanta the personal problems with data consecutivity and to-

Telephone Numbers

be referred have to the EVSC (or \$12,895,4665). to their should possess these mentions of their other will terredly at Sprint to contact surfour by agencies. Our-The following professor subspaces used to

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## GEOSPATIAL REVOLUTION



by Savio Manuel

This article serves to illustrate the explosion in Geographic Information Systems that has paralleled the growth of the IT world in general it is a summary of 1; when a Geographic Information System (GIS) is 2) the main software vendors involved in the GIS market; and 3) why his important to you. This artist is not a detailed explanation of GIS programming, nor does its scope encompass the infrare deads of different GIS platfames. In short, this artiste's purpose is to grow dis the matter with a basic understanding of GIS without explosing the subject in infrare dotail.

ample can be found in consus date, where natiocation. By using a GIS complex, analys per attached, detailing the information about hap of the United States which is filled with herzs. This is equivalent to londing at a paper database fields, but also by spatial requirehe entire database can be queried, not only by costed. By implementing this data into a GIS. data with an exact spatial location. A ready exzere to any GIS is the ability to combine tatular ewed the development of GIS systems. The more accurately, powerful microcomposing al-Sal Analyses. The advent of computing, and roots in two disciplines. Geography and Statisti les can be performed on a location. auntdacks. Each themblack has a piece of par stormous amounts of detailed information are Geographic Information Systems finds its

The uses of a GiS are limited only by the ability of its owner and the ristal available. If has become oppular in everything from olly planning to ecological conscrivation. At the head of the system like a topological model to which the data is primed. The data file, which is almost always resper-oriented (if it is not vector then some means must be available to entity then some means must be available to entity.

Into this), is populated with a distabase or records. The spatial please of the dard, which resemble its real world counterpart, are comprised of potals. These, and polygons. Since the file has topology, every the has a "right" and an "out." This is how each Gatabase record is through the spatial coordinates. The most visible easingle of this is your loss! Energency (it system.

relatively cheap), b) its ease of use (atthough is available. This is a simple example, and I gestion, and any other variations for which data quickest route from several different locations. priese record in the GIS is found using this ettner a left or a right address), then the approthrough the GIS. The address is analyzed in is routes were given \$301 addresses, so that they which it can be customized. years), and most importantly, of the case with remely complex this has changed in recent carrier versions of GIS software could be ex-(most commercial GIS software packages are makes this a viable system is to a) cheephess have seen much more complex uses. What taking into consideration traffic flow, traffic con-安e mithalis inetwork Shadyst can determine the code. Once the record is located, GIS alifties necessary to tell them anymond), it is faid tor your andress. (and I don't even hink it's GIS database). When you tell the ES16 operamakes them more easily assimilated into the could be more easily located (and this also now based on a GIS. This is the reason all rura West E911 systems scross the country are

Several GIS packages are available commercially, but the most popular are Maphillo, MGE, Arckriew, Capthoda, and Arcinta. MGE is based on the Microstation CAD angine, developed by Bendey Systems and Intergraph.

the basic Ardiview package and then tailor if to systlettle then one can be produced at Itte or THE COMPANY ROOMS to cost. This magns that sity one can purchase pie but uselut. Thousands of programs for spo iam ESKI menselves, if a program is not affic tasks are easy to find on the Internet or iz own scripting language. Avenue, that is simgredueses, and to its scriptability, furthflow has campasy's dayofton to distributing its software hus creating a trained workforce in college educational institutions at large discounts oral destinance. This lead has been one to the ast five years have seen ESR/ rise to almost sackages dominated the SIS market but the commonly called ESRs. In the past intergraph's Environmental Systems Research Institute, Archew and Ardrila are both distributed by

So why is any of this important And how does it affect you? Anyone with even a little imagnetion can see how a system that can integrate and analyze huge debahases with spatial data to create tergeted, specific results in the term of meps, graphics, projections, production of meps, graphics and ensured. And me

Some companies deal in this information. The spetial data is chasp, woll, it's actually fine. An almost limitises amount of geographic data is swillable from the United States Gendral Survey. Terrasoner, and other such special in the special information with massive distableses compiled from grocery stores, mailing lists, and the

reports, census data, and public repords. This information is then sold to groups who use it in conjunction with a GIS to determine every-firing from ferding qualifications to high crime areas. To 98.9 percent of the population, this goes on without their awareness or consent. If you apply for singlify from health insurance to a losh, a company passessing such a distablishment from the proof and study where you fire, what you eat, what you buy it for many needers of 2650 this isn't a new tideu, and to others it may seem a "conspirary theory" or paramid soft defusion. Yet it is an absolute really.

For a detailer description of such practices, tack out:

Protecting Personal Prescy to Using Occgraphic Information Systems, i Pherogrammon, 16 Engineering and Rometo Scienting, Vol. 63, No. 9, September 194 pp. 1083-1095 ;

"We Know Who You Are and We Know Where You Live: The Instrumental Retignation of Geographic Systems," Join Goes, Dept of Geography, Unix of Flewall.

The babom line is then very soon in the future three systems will be an everyday part of our lives, with the possibility consting for them to be used or abused. Thus, it is necessary to have at least a basic understanding of them, how they are used, and how they affect you. I'ms and a host significant deal, but hopefully will provide answers to the above questions. So keep an eye out, and train't that guardian angel you keep taking about

# FREEDOM DOWNTIME

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# Anomaly Detection いかさのない

by Thould

on what is currently being done "on the other side of the fence," so to speak. been successful and to get a handle whole idea is to identify attacks against whether or not an attack may have behind what detection is all about. The terns, we must first explore the intent your network, primarily to determine In order to talk about detection sys-

The bases curity Systems pretty much covers all this persoligm set forth by Internet Se Based, or "Passivo Nutwork Based, have an intrusion detection system Based." So, when combined, you can can be "Rost Based" or "Network tive" or it can be "Passive." Second, it primarily been compartmentalized into IDS systems can be categorized, but 'Passive/Host Based,' 'Aptive/Network That is "Active/Host Based," two factors. First, a system can be "Acselves are defined by a combination of four distinct camps, which in them-There are obviously other ways that Intrusion Detection systems have

work, or any combination of these wall and the rest of the internal netprovider, between the network's hirenetwork's firewall and their upstream demilitarized zone (DMZ), between a command console of the activity immediately after it occurs. "Passive" syssponse to an identified incoming atwork based systems reside either in a by, toaking for effacts. Generally, nettarget, and spy on the traffic as it flows network between the attacker and the Based' systems sit somewhere on the actly that; they reside on the individual date. "Host Based" systems are exstore if for easy reference at a later terns generally record the activity and based on the attack, or not fying a tack, such as updating tirewall rules of real-time (or near real-time) relive" IDS, the system must be capable hosts that are being targeted. "Network in order to be classified as an "Ac-

> scans all the traffic, and whon it sees a around the concept of "attack signarules, notify a console, etc.). to do (page an admin, update firewaii attack, it does whatever it was set up scanners are designed. The system liarly to the way that most popular wrus other attacks. This is done very simipattern that metches that of a known other normal network traffic and from nature that distinguishes itself from tures." That is, every attack has a sigtoday, they have generally been based detection systems as we know them trends. Since the inception of intrusion Now, let's talk a little bit about

outlined below. tion. This has distinct advantages, as complishing infrusion defection is brought to the network owner's attennormally seen are highlighted and nured, and bits of traffic that are not can be found on the network is igdetection system, treffic that normally "Anomaly Detection." With an anomaly An oft unrecognized means of ac-

fine a signature that identifies a distents based on attack signature? what good are intrusion detection sysexploit is coded, and the fix is coded coded. Now, between the time that the and a fix for the vulnerability will be shared with friends, or kept to oneself exploit code for it, to take advantage of bet on it. So, what happens when a new vulnerability is found? The individbeen found. But they're there, you can most cases is that the vulnerabilities What keeps this from happening in thing as a "secure" system. Every mathe fact that in order to be able to de-None, whatsoever, Simply because of the security community as a whole for a certain period of time. Eventually, the vulnerability. This code is then ual the figure if will likely create 900% that are on the systems have not yet today can have its security deteated chane that is attached to the internet t will probably end up in the hands of We all know that those is no such

> wire, or finds itself on its target system. that attack "looks like" as it crosses the criminate attack, one must know what

channel ISON, or the largest banking cle is an alternate means of "visualiznotwork in the world. ing" security on your network, be it four Linux machines sitting behind a dual What i plan to set forth with this edi-

wants access to your network from obtaining access, short of unplugging the A. You cannot keep someone who Let's make some assumptions:

wanting to gain access to your net-B. You cannot stop someone from

WORK.

solving the en power and re-Can thow manyou do? Well, you mind, what can sumptions in Sources at (don't we all?) your security to accomplish With these as-C. You have limited resources

may be vulnerable. And, third, you can services exist on your network that take place in order to determine what idealify the initial scanning that must so than he intended. Second, you can in so that it takes him more time to do it difficult enough for the attacker to get you can really hope to accomplish? The best you can really do is make

the best that

ELLI, WENGE TO the network, etc.

をなるが

of the machines in systems, secure all sion detection dustered purchase problem -

able, even exploits that were coded identify all traffic that may be question-How can you do this? How can you chines that may be vulnerable continues to be able to access the masive, to ensure that the traffic no longer take actions, either aggressive or pas-

yesterday? Anomaly Defection.

tools consist of ipchains/ipfwadm, porttools and a little modification. These mail address. Here's how the system sentry, logoweok, gnumeric, and an e-Linux platform with simple freeware tection system can be built on any An extremely effective Aromaly De-

portsentry to execute togoheck anyother than 22/top or 80/top. Modify that are not listeners. If it's a webis set up to log all traffic going to ports log every packet that goes to any port server and you use set, have ipchains time that portsentry trips. Use portsen-On every system, ipchaśnaipśwadm

try -acto. Modify logicheck to e-mail you any ususual , activity that appears in the logs to your egnumeric, or any mail address. Use other spreadsheet Se Creation of regue packet on record of every that you like, to Maintain ip address, date and tivity, ports intime of the acesch machine.

those ip addresses. everiable), and contact information ret the owners of

🥳 ip address (if

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dns resolution

SQuice port

NO VAC (including

self some time to respond. The attacker to be able to compromise your work. Every packet. Face it, for an ify to see if happening, and give yourto determine what is on your network are running, what OS's you use, etc. system, the must know what services work that does not belong an your netsee every packet that enters your netresponse, of course. Heave up to you Slow him down, give yourself the abil-He must do some preliminary checking with this system in place, you will

# THE PAPER CARNIVORE

by BrotherBen

munications. Naturally that is spainst the criminately seen all public laterate crym-Charles and a second estizens without a court order. But more on call' ECHELON can be used against US your, traditional wirelaps, nor the "mythi-1972 and Studest on paper perther Carrier law the device should not be used whicher wirecapping warrants have been issued. By that sent to or true and viduals for whom amounts of email traffic and extract any is a system designed to analyze page Canavara (originally called "Omnicose" ternet security to do a quick search on vise all parties interested to privacy and lohave beant about Carnivors, If per, I pd-"carrivore FBF" and do a little a reading Land sure most 2600 readers out there

Boppy/zip/whatever auchive of the mesquotes from FBI officials refer to the desay pert, but almost all of the printed that Carnivore could collect reathe from reportedly locked in a rage 24-7). Note ing the Camiyood software (scripts) is sages (interestingly enough, the PC housars for target senders and recipients, and fi collects the data, examines the mail head same: Carrivoro spiffs all port 25 traffic. titled gateway, but the end result is the see J could conssion Jer spiding an ISP's steaks on the ISP to perform its mission. simply smitts all traffic at strategic bottlechine, but in fact the deadly "Carnivoto" sages and sends them on to an analysis ma-There are many ways this could be accomshows up daily at the ISP to collect a really archives those messages, An agent There are literally a dozon different seems. med galoway that grops for certain mosplished, such as ioscalling a script on the FB) has received wicesapping warrants. fer. The media is describing the device as ceived by targeted ISPs and "selects" masan cotact stanted that collects all traffic reto the FBI (think Infrastructure) that Carni suges sent by individuals for when the water is making arone than a glorified suit-Vioc as an email scanner. However, dec I have been informed by sources close

current sets of winesupping laws in the USA may allow suiffing of just about say type of traffic, including with surfing to fact, I am sure the FBI would hegto collecting high teaffic if a raigot were using Bounait or Deja as a mail service.

order to track one or two suspects. Likeaccomplish its neisseen, and that these above). We are felt to trust that the Fish ten in" ya asi e-mail sens to a given ISP in then, the HBI shust at least temporarily "lismatter and discards that information nor to allow the FBI to som their e-mail traffic "theody" are modest and lawful in scape. will only use the information it negds to TCP/IP traffic routed to that subper secscanner, the TBI could be receiving all wise, departing on the configuration of the perforant to the content mission. In thour, the FBI presumetily collects all FCP/IP on a daily basis. The problem belone is that fact that at least one ISP has been ondered What has raised modes excress lately is the wire for years - and getring similar oscills. not surveithance agreeations without Carrithe FBI has been conducting finaled laterfar tixt fate to play the role of alarmist, as in recent menths due to privacy issues raware as nething new. In fact, the ACIAL is ACLU and ERIC), but the concept of Car-PENALTY CONTROL STORY SECTION CO. The media has hypod Camiyore heavily

committees designed to prevent abuses of power, but reclinology usines are very dellenever designed to do. In the FBI's defense, nised - spansibles, rengovernment was messages for threat conditions. The capaout to everyor because measures of 19 est. have to trust the exablishment to excito? billing is shore, of course, and once again we subjected to a logic engine that evaluates doesn't end up in a role similar to FCHD. Of our privacy - we have all experienced a paramete rard about yet another myasion I have been hold that there are oversight CON, in which private commenceauous are our share of government ignorance, opshed atself is quite mandane, assuming it pression, lies, etc. In fact the Camistore de-The point of this article is not to present

sight committees are not always technically prolicient enough to understand the actual forests involved. We say similar problems accuming with the depositions as the MENA/2500 case.

The critical listic with Carnivors is the lavel of access initially granted to the FBI for operations. All traffic could likely be collected and examined at the whim for

misconsignration)
of an agent. Caraincut wire tapping
taws are simply
incapable of aduquatory
dealing
with costil.

because the action of traffic and technology concerns differ greatly

POTS sys-

from the

division tip fact, one epublish

such a change. sion but patience alone will not institute few bad applies. I bege this wond changes lations being applied to a medium in which poslecity - we now have tap and trace eggovancorning ISPs and Cames ore preves this global, switched tists experimentestions is yours, but in sact a real understanding of have been modified over the past few picking through our lives in search of a ven with "good" once, and the field is left "bed" communications are tightly into wowill in development. The person court order windapping statutes). Whetepping laws phone aystems laave outgrown traditional gue that made to telle-"CSRNIVORe"

Naturally I understand that oryptography appears to be a parasoca for the Carnivores emengative. Even shough I advise all schools privacy advocates to use oryptography whenever recessary, viewing oryptography as a final polition is flawed for two casens. For one, it is not enough to reactively assents that legislation by using "hospitolist" such as cryptography. We carnot assente that our current algorithms are in-

decipherable, or that engangraphy will constitue the mast age to acq the treads in legislation by procedively voicing our discontent. Secondly, if the powers of the FDL are circumvented by our regular application of strong crypto, we may see another pash to increase succeiliance powers, such as registering private keys - probably in the name

of stapping terrorism. The end result will be the increased control over communication lines by various accurate. As stated earlier, the exe of public mail services such as Bountail and

At years, the Care (buther) th, my doe, are in

chattane and chattane and chattane (RC will containly ground). The in monitor other types of IP units.

CHURC INCK

easily doubt that event seemely will act as belly of the whale. The goester issue must methods is aider coble, it is comparable to tions all enone to poind. Though using such dial-up compositions, and other VPN sofuminning sendmail, dedicated, encrypted nivore. 88H connections to remote systems waghtren. The clira-paranoid will always saybing more than a speed bomp for our ers of search and seizure to exist, I seriexception to this). If we allow bound pow-ではないのが the rate consciousing the shark in the have a "soleton" to problems such as Carsolution (alguably, probiblyion may be an were out-

The fact that exporting 128 bit encyption from the USA is viewed as a following offense should tell us how seriously our government ministers had said ever-legisters technology. We must normalize and distribute strong cryptographic systems, white simultaneously restricting the power of governmental facilitations to control and prohibit technology. One cannot occur before the other.

# VEA EACSINGLE: (6VI) 474-2577 (2 pgs.)

Character and Proventions freien Fraktick, Oberter

Friday, July 07, 2000

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Ser "Sampleich"

To Whom It May Consern.

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The Making of a Pseudo-Felon



by Breat Kanney

a day. It's relatively barroless isn't it's: hack extenders for seven days, 24 hours "I'm bored and depressed I think I'd

the laterature company. service. In other words, I mild to cheat obtain phone uccess codes through its program, and a 24. Whys mostem to conused a 386 computer, a special computer around the time of Thanksgiving 1993, I LDDS Metromedia Communeations - to duct backing activity on budwest based At the age of 19, home from college

with a comes signa pared progress logging them as valid prindrat of access manifers the computer program generated and strolled over to a pay phone. I tested every excess code. They all failed to work despite the com-In the middle of the night. I took a

been obtained to search my domainion. appeared numeat. I was ublivious to the fact that a federal search warrant had When I returned to school, everything

terral PRX abuse. I was not involved earlier to the parking but that the selection building on an early winter evening. An and know polling about it. was considering me as a suspect for inanonymous student had tipped me off thing artiss when we catered our down My friend and I were unaware of any-

the 3rd floor!" reach our floor, a student bellowed There's FBI agents manning around on Refore we entered the elevator to

wheever was getting arrested. Though WICH SHE in thinking it probably but nothing to do be drugs or something." I felt hed for feeling unessy, I genoared some comfort "That's our floor." I thought. "It must

A puxigy man, his face abrest blash-

conspicuously. The guy greeting me outrelaphone company. area manager of security for the local side my domi soom happened to be the ing, was standing in front of my door

Are you Brent?" he queried.

"Yasss," I said.

barrels of small band guas were pointed sets and I heard the eracking of walkies at one, weekded by men dressed in what you might call "land warrior need" affine Instructionally the door flew open and the the door. He knocked two or three times They were wearing telemarketer head-The phone cop tensed annual to beer

my bends against the well ap above my med, "What is this?" I asked know is that I was facing the other way. I don't temenaber the specifies. All I

you have any weapons? Any knives? They frisked me and my friend. "Do

an agent finshed his ID. It wasn't the FBI "No." I said, Bahbergasted, On our

after all. It was the Secret Service. go in stow motion. I didn't feel like it I was shocked. Everything seemed to

was really happening. I was so nervous prints, pictures, and idle chalobat. holding cell, after submitting to lingerlayers fater. I found no self us an empty I asked for a lawyer. A couple of

spot them immediately. of backers coming through the station (small as the town was) and he could stereotypical backer," his father later told the pulicy station. "He looked like a duty as a cop the night when I came into him. Apparently the man had seen a lot I bad a friend, whose father was on

lement my sans, another cop stayed he-Before I was left alone in the cell to

hind and eyeballed use for a long minete. His lunk shot the message, "You're going to got it bed boy, and you are a bad boy, no matter what you think."

I signed a water for release, relinquishing some of my zights. I was released from police custody and returned to my down, a new man, stripped of all my electronic possessions. They had taken every comparer related article had, every disk, every issue of 2500. A

year lake, after any convartion, any convartion, was returned, mostly broken. I just wish they hade I descripted anyonal painstakingly

work I
painstakingly
created.
I withdrew
from the
school. "I tope

from the school. "I hope you get away with it," my political science professor tald me as 1 bid him lanewell. "I haze the phone the phone odded."

I mel with the Secret Service agent again at a later date. Secret Service agent again at a later date. Whenever I met the agent, the phone copwas with him - always present moder some shadowy protoned. like cancernian from The X Files. I was encouraged, implicitly pressured, to reveal information on other people who committed crimes. I was exact in - people who were profitting sware information who were profitting from fraud.

In these closed door sessions, I admitted dilegally obtaining the access endes and divulged every detail about the crime. Prior to my actual arrost, the area manager of security for the local tage phone company contracted my mother and premised I would not be arrested or prospected, with the understanding that they just wented me to step. He told her I was responsible for \$160,000 in dominated metals.

ages. Unfortunisely, she believed his white lie. He teld her that if she didn't exaption by disclosing my whereabouts she would be up accessory to the crime.

Regardless of what was promised, I openly confessed to involvement un-knowing of the unserupulous factics employed on any another. A year later, I plend guilty to "possession of access codes with intent to defrand." I was sentenced to three years purbation, fixed \$500, and ordered to par-

house program for two meachs. Throughout my probation. I was tested for drags. I had no drug thistory. What I did possess was long hair and a perichant for black.

clothing.

My offense is a ledony for one reason early the access codes could be used to early out to any what. Because of this interstate characteristic it is fallenty charge. No losses were reported by any of the respective teng distance companies I has lumpered with, at. though the focal.

of about \$17 to \$30 in administrative fees. The judge and presecution rationalized fees. The judge and presecution rationalized that taxpayers are indirectly victimized because of the east related to investigations and presecution of "major" cases such as mine.

I don't envy Kevin Mitnick for the ordeal he's endaned with the government. J think of myself as lucky to have never spent a day in joil. If I had, I don't shick I would have energed a survivor. Quice benestly. I probably wouldn't be here today.

I deal't think this mark on my record, this felony, reflects with much accuracy what kind of person I am, or what kind of employee I am, Marry youths do stupid things which aren't necessarily injurious to anyone, Before Steve Wasniek and Steve Jobs co-founded Apple Com-

puter, they "cheated" the phone company with a device collect a "blue box" while in realized at Berkeley, CA. Didn't they ture into gussi-responsible multimillion-sizes?

They didn't get caught," a lundford said to me, whose tental operation routinely turned away convicted felors per paties sponsored programs. Is this to be the seals in which we judge the severity of a crime? Simply speaking: "Don't get caught?"

There's no distinction today between a crime of violence and a recreational backer. Edon't expect there ever will be. How do you explain the proverbial Scarlet Leuer to the unfultamed public who thinks backers the Kevin Mitnick are distanced;

Seven years later. I don't justify what I did back in '93. But society shouldn't evaggerate the impact of it eather. The interests of the ancla million totlar corponitions have been probotted, rest assured. Revin Mitnick was silenced and before him an were many lesser-known backets.

The branding is done, it's over. No appeals, no expunging, I am a convicted belon for life.

Are well to be analle as examples, to sway public fear and district? Is this the result of materiactanet, propagately to some conjugate interest? Should the infact aggravation of a conporation result in a librarie felous conviction for a college tear.

I'm not hiding anything and I accept responsibility for something I should have never done for the sake of curiosity to make a few free phone calls.

Kevin Minick iš, dare I say, an astute genius, but not a criminal roastermind. I was psychologically evaluated by the government and labeled affilte-record as not harding "criminal thinking patterns." I've always considered myself an ethical person despite Markell groupies who consider one guy with a few access codes to be of critical importance to the subversion of a nation.

Not slidding orateragarary law bas disproportionate consequences depending on whether or not the violation of the law involves tile and limb or involves property. If you are thinking about the kerney with the phone company or other kerney with the phone company or other

maga-corporations, think twice. Then consider beating your wife instead. By example of length of senience; served, this set is more acceptable to our society.

this set is more indeptable to our steelety.

But, Ged forbid, "Don't get dought" beating your wife while in possession of a red box.

### Afterthoughts

Since my conviction in the early 90's I've cessed participating in any hacking activity - anything that armylat be construintly - anything that armylat be construed as illegal. Finally, I don't keep mystelf gelvy to the latest hacking tools. I flee from gray areas of computer activity I am 100 percent dedicates to a philosophy of anti-backing. Call it feet, call it cowardice, but I repitative with syranzy when it therefees my well-being. Tans.

Dois is now a part of my everyday life. If we se't always that way, I ask to stand up for myself. But the habity of raising across against a million to one odds is not my cup of the. But there are others, more countygous than me, who face these odds every day. You may know thom: Barries S., Kevin Michiek, the saff of 2550, and nameless others in America and in third world countries.

By writing this article, authoring it with my real name. I fear it in jerpanise, ing my well being. Without any prodding of our imagination, we can assume the Secret Service peruses 2600. And if the SS thinks I we consider vectorised as a threat, they might encurably pay me a visit take Bernie S., they might want to check my wiring.

I don't have a verifeita - I'm just usiling a story and offering an opinion. I barea't voiced may disappeoved in a domain name like 2600, Bur I wonder, how is writing an opinionated article any different?

To the credit of law enforcement and in particular the probation department, I was treated burgarrely. I'm not going to judge these people. They generally respected me and I respect them. I do think they he part of a larger problem - a pre-occupation walk power, an adstocracy that pulls the geventment strags to grottest Corporate America. (That's where those laws directed at backers owns from.) Pethaps this threatens our rights of feedure more than any backer.

# ECommerce Systems Flaws In Outsourced

by Dean Swift

third party aredit card processing software. is that ever web sale that has third party credit which I have written my shopping to star soilaccidentally when interfacing my software to class of implementation flaw. I dispovered this cated processing it lays be subject to a gardical to were. The general trend that There discovered EConmerce systems in particular, systems for These been asked to write about flaws in

SALES SECTION that previous users were satisfied with criteria come popular because new users may assume are left unchacked. A flawed system tea beconsting and wasse, potential three in a system systems because numerous solutions have been written already. While it's productive to re-use First people write indultants for EConditions

as specification. quirements, so It proceeded to write the software quirement was that it should be always to host. I was onable to find prior art which met the represerve the level of eproposity life. A further tooffice additionable was first any changes would listing oxald be maintained or improved. Andifferent assessment the exception for an entitle of (FTPlag web pages) could confinue. Another rerequirements of a clocking web sire. One of the requirements was that the existing workflow Thad Estate a shopping basks to the asset

色では、同くある中の表現の a session key in the absolute of exakts functiontransparently modifies the web site to people the ent well served of outsourced in a different web pages. Feed tier each be bouled on a childre zero is encapsulated into a number of stages or party. MTECS Ther I is an optional program. In files described are presented to the end user as tiens. Unlike many layered systems, all of the the Multiple Tier ECommonse System. The sys This was the first version of MTBCS (TM).

intended that limited ness would be added for construct to allow gions then one type of poor (MII) Jisoff JV, 350/JL, out Sous carefood adopt payment, sitteaugh Tier 2 functions as a stand bot to be accumulated before prochase. It was MITECS That I is the shapping basket; a

lution, the castroney (actived not to deplay the requirements. I was determined to use the softsoftware, which left me with software spiplies to After architecting and implementing this so

> ium.com/i, and other web sites sire (http://www.goodelf.uscr.xir leofs.com/), my personal web pewer tooks this obward business renehydropodies.com/), speds 「ないのではなく 分類的ながらなる (http://www.great-books.com ward and it was respurposed (が行うに関することではないのないので) SPECIFICATION OF THE PROPERTY OF THE PROPERTY

TOW IN THE undering system, which is more offocdable and pended on the significant Trint 'N' Post" (TM) did not require credit and processing and desuitable. More fortunately, the inclot such sites manding that rows software would have been Forterately, the acquirements were not so deware to be adapted or required unitry software. Bach web site required the soft-

is fairly large and the CRU of the wwo site is adindependent CDROM.) distributed to proportial costonees as a platform active with \$1000 hits per month before the (It must be stated that the web site was laidy the entire web site occurred within two meeths could card processing, return on investment for Social, After adding Affects Tier I, without tising conquign. Additionally, the web size is verlised in ongoing, targeted, print media advorbCommarks software was added. The web site Hydroponius (http://www.ceetatichydrpunics-This charged after the sucress of Esception

effector, easier, and arrest sector to outsuprace discovered that for small volumes, it would be processing credit card transactions and soon hunter-coats come). We challeated the cost of social code) and Hunter Tools (http://www.referred to Public Seeds (http://www.pakkacompetitions. A successful system would also be and so obtain more revenue and to keep alread of Esotoric wented to add credit our process-

accessive charges and check especience with Singlator out. NecDanx, was introediately eliminated, due to sociated cast. The markes leader in the HK, record and uniformize potential problems and ascountry. This would reduce risk, simplify paythat the company should be based in the same charges. There was also the stated requirement working standard a property region on company with established procedures and it was Obviously, it was senseble to choose a

We appear upon Worldlay PLC

back. This requires a meeting with your back sechnical competence and low initial costs, I (help shares werldpaycoms), due so perceived SCENER. possumeoly to ensure conducted payment for Direct Debate the established before approval manager and additional papersonic before: tures of representatives are continued by a the notice that have been said technics that signa-Pay immediately. WorldPay has a 24-bour sign was required to invition my suchware to World-Bantd/Agr approval. WorldPay also requires a WhetdPay reduces costs by leveraging bank acin privates, although delays wind appointered

resting, it was done. Onfortunately, the software opinions opening. Two weeks later, after much a fell refund. Fortunately, some of the adminiscid not accurately reflect the business rules. paperwish and two days of programming and institution can be processed while web size develan enganization failing this process does not get genee, at east to the confederal this means than WorldPay also performs their own due odi-

as a sech page that would allow prices to be restriction of the shapping backet. changed. This would sidestop the thool pricing withing a unitary to dump the existing carologue but secretably WorldPay. Then I cresidered pogazive pries, although tida, quito sensibly, was passworded cuildy to allow the insertion of all would not be open to abuse. I began writing a would have to be provided securely so that it large volume privatiases only). Of course, this Esoteric Hydroponies allows discounts (on

HI MI. Americhe casalogue has been uploeded ready has a upitary to dump combigues as " MTECS Tier 2 (the shopping basker) 41-

> a CGI script can return a section or all of the THE CARRIED that was required was an additional farmer for and inscript into the web site of required. All catalogue as a web page. This can be modified

remains a problem because segrene with suffiany price. With trivial medification, it would would allow unyone to perchase actylining at idiplement such an attack dems with subtle cleanges in description. This Curity flaw. If the corput was obtained it cient information and expenses usey be able to also be presulted to order money adent recovers or Unfortunately, this would be a muscine se-

the company purpot about not be trained. malicinusly modify a web page, but this stows each whether the order is reason or printed. Obviously, it acquires more skill and effect to placing an order by mad, it cookes libble differciously modifies the products and prices when social regit. If semocode accidentally or mate-Struct to casure a legible order is received by is to obtage prices with "Print". N' Peut" such practice. I field department and how easy in TAO. This facility is little troop than a con-Fortugatoly, Esoteric is already alon to

modistely informed the eligit of the ful web site state as Esateric Hydropootes, I icasuch an attack would be artempted on a success offert base, it is only a marror of time before implications of the security than was selected. Neverticities, with a growing of the best technical features when WorldPay from Wirdolfsy, Indeed, I was encoure of semo processing, it is band to obtain specific dutally This left the manter of third purly credit card

uses CataCath ChipoCataw.datacath.com/; WorldPay, as previously stated. Viceona Wine is a well known brand in the UK. What is more Victoria/Wine (http://www.vs.coniawine.co.uk/) was able to purchase wine and pay the amount of my choice. This is quite worrying because "Har can't be right: we use the seme sys-tem as VienciaWing," Well, 35 minutes later, I portying is that Victoria Wine doesn't use

credit and processing as detaouteed. Most organizations total to omit the fact that ra Vista (http://www.alta.cistu.cem/) and IslioSsek (http://ardossek.go.com/) allow searches by Sawad CGI failed. (The search engines Alobsects. Attentions to discover hypertials to the tompts to search for references were disens! URL and by hyperlink, but do not second hypersuccess. Roth companies are discreet about other distorters of these systems without much cossing systems within an hour. How many ar-Ess to CGI scripts or "secure" web pages.) Asother systems have this (Sow? I attempted to find garizations have this problem? How every Yes, we take enacked two credit each pro-

As of May 2000, the YourinWine web site (bups/sewwindorinates county) redirects to a with itself families frances. BesScript, and MacroModia Hash. You reart enable LavaScript to complete transcripters. Purchases may only be made by registered users. This is automated but requires a visit to-use; I without and the completion of a sarvey. Every order requires your enast address, so if you den't have use, or you are not willing to supply your creatil address with your points! softens and are dark to make to purchase anything, you will be make to purchase anything.

the demographic survey intest to completion before purchases can be made. It is quite longity and sources and taken in discourage and cosmoners. Formately, for our purposes, I have created a test account:

user: Nilly Sheharosull. (Ninc

Despite statements on the welt site about detection of steeped activity, this account was active and used for private chabricustion to savings parties even a partied of time weeks. Should this account no work, any account can be used to purchase test forms. When I first used this system, I placed some from justice stropping basics and sharp proceeded to questioned a "counteraction" well page list saved to appear on pagoes and other a program passe. I was presented with the form at enter credit can't details.

Lot's examine that to more detail. I skipped back a few web pages to the shopping backet. I was unable to view that URLs in my worknewer because it was a listened web site, To overcome that, I opened the content frame in a new window. Repeating the process I discovered that the crofti eard form was on the Data-

Cash web site. This would be transported to the conference during costonal day.

With the frame isolated, it was apparent that two intermediate with pages were accessed before could used details were represent. They both appeared to be blank, one with a Vertania Wine FRI, the other with a DataCash LRI. I decided to investigate each page in turn. I was dumbfounded to discover that the first web page crossisted of a four of higher fields, including the total price, e-mail address, and a session key, automatically submitting to DataCash with favoration. This is appalling practice. Nestable-last, I spred the page, modified the proce and necessed it with my well browser.

I was briefly startfed before I realized that the way people was sampled to authors featily size of the form to DantCast. I was presented with the price of my choice on the DastCast, website. Now we are at the credit card processing stage. When I showed this to staff at Especial Hydropenics, they were alterned that a transaction could proceed so far. Furthermore, what would happen if a stelen or licitious credit and is used? Thy was the mast prominent canasance at there any varification?

After a long telephone call to Workl'sy and finally appealing to a representative at authority, it was discribed other than no credit rand verification is performed other than checking known staken numbers. World'by collects addresses from customers, but does not contently crosscheck this information. It is not possible to confirm the cashedler's address via World'by. Such a syntem is adultable for April 1001. The system with the supplied by NerWest. NorWest is also associated with NetBenx, so I assume this, the situation would be the same with NorBeak.

We attempted to provide our nown verifica-

tion because third party checking was not or a sufficient standard. We investigated which propositions from were snable to obtain sufficient information from WooddPay.

that incurs the rost of frued. A card mustguaranteed position. He every ing costs. Objecting costs are typically 2-10% per transmation, withough many hardware and software required varies volume. Some companies are saitable company encountered, it is the merchant were unable as find a company that charge officed one for debit cards. We oners may be unsaisable for low volwidely, as these initial costs. High idenal are typically done in house. Additional tor larger volumes. Very large volumes union, but generally less to lower upgofor small volumes, others are schable nies are differentiated by transaction In general, each processing compo-

> ber approved by a cool producting company may be an unreported scalen eard. Index4, in any ECommerce dispute between

Indeed, its any ECommerce dispute between the customer, the coefficient company, card powers in company, and the merchant, it is the merchant that insurably loses. Appresent it is passable for any unperspaped UK credit card builder to purchase greek and then deep knowledge of the purchase. The merchant there may receive a "changebook," which may occur as any interest or "changebook," which may occur as any interest or "changebook," which the purchase. Su, an initiality position is given by backing purchase if the

Evel or Insued at too high.

Every transaction may be franchier. Fig. on ample, within 14 boars of the ExperienWoodshy waters pung time, a sespect outer, slightly leave years pung time, a sespect outer, slightly leave than 2000 pounds, was placed. The order was approved to the order to retain the retail. The order was approved by Wordshy. Woodshy was contracted by wife pulsas for confirmation. The origin of the outer pulsas for confirmation of the order pulsas for confirmation of the order pulsas for confirmation of the order pulsas for in the proceed, presumably that to wested interest of an eight pursual contribution was all proceed.

History (160 gounds).

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This make the rejection even more of a since it has the the cryclain even more of a shock. The whole after they make my clients distillusioned with ECommerce, despite the fact that each of the two companies has a prefective wet.

size. Staff and it you

believeble that and processing companies provide such a bad-service, without ask. The CDROMs sent freen bisotrain. Hydroponies to pountial customers amount be fact to the ordina PC propagational payment were it more for a look of confidence in the system.

By excident a WorldPay often: was encountered

thring decuin author registration. The company is called histNanne, Co. UK (http://www.gust.com.co.co/). The web size uses PHP3 and is so nature existed. The web size uses PHP3 and is so nature existed. The web size uses for that it faith to work on NetScape Communicator 4.72 and procurably other web browses for During an attempt to register a denoting it was discovered that

It is becoming moneyay to fiscalularity purchase products unline. Many ECocomogo websines are objugy on amonal procedures as deserpositents, if at all Many organizations are detoning suspect activity, but only because ECocomogo (ordays are securinized.)

price to pay appears in the web page.

and some explaining to do to the portribute, yours all which have been impleextitods remain open. There are many solutions custode policitial clients, in many cases, the in-Caron agreement to take place of the section Sörkffay, Ostoffash, NatWest and compendors mented. Chedic condigencessing decaptables are ours methods are samployed, which insocret regration method is presound. Its some cases, seany companies are raking a path of least resisally on another server and merely receives the grated. The credit card paymont system is useand chedic cord payment systems are loosely inte-Esting fat commissions for insufficient context. tatal re-obtain from the customer. Card process. The problem is that must shopping baskers

Basic security is being ignored. Naturences with situs have contacted flaws. Chicai data is being passed was allow subtween where it can be tampered with. This information is being trusted by the servers of card processing companies. There are noted layers of sourity. For example, street companies are not verifying automaters sufficiently, this occurs knewingly and servers to reachly the sourity may be proved the pays the privatively resistant pays the privatively resistant.



# READER DROPPINGS

# How Verizon Sucks

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### Dear 26007

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### Time ox

### ENGS 1600:

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### Dog 2690:

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Trumble Makes from Way Rock

# More Corporate Intimidation

Desig 26089

trying to provide something of a wake-up call to these growth, receiveding ways? Keep to the posel week as those of as who have short their stray packets and footing sites." You know, as in defeating the right of claim about engy (gld and traditions in in page act they'd always have a hard time making friends with they chose up their acts when it comes to all discress. the speech. When will those parasens learn that until wines." Personally, I call all sites of this extens "do when day he working to store down all 'reflecting changing they suck? Not be mention the disk, they tually wonder why people would want to start up sites. were to hear that TW's near move was to buy be-Beast Studios streets etc. It wooldn't shock etc. If I Sports; all of Admin's sports teems, Spores; We not to on Norwack, 1180, Gineman, the Will Network: And their growty, grown hopers. Have early gions we crosses. Where does the great (and the insuring) and t about just low worth TW evens, Janearen AUE, Teleto call them, Stime Watter), it would until the whole life, expectation known as Time White (or, as I like ebaken TRS, CNN, INT. Jurgey Classic Macket, Oct-ADC vs. Time Winter dispute that Tyleried threiding buy 'em ali genand make 'em ged of us. Menopoly country). The beautiful thinking also take exceptioning. dizal (disarks excerpense America's Each of a senso of gCompressSoutherward paragony sites goods be seen a ong You know ever since there whole Corporation

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A federal judge induced Years) to respond to theand we are trying to rally expired. Hope you can help We are filling a Class Action suit against Yshao!

> Delibert of a close solem began. the the first time the laterner law Secretary to encell lawseit can est off wishing by comporting the question. sheelil exed does from geograf holders. Yaland e-epsil quest for a preliminary injuriation that would poolable faire at www.Esperis&@.aw.com. This is indicated to second members with wish to qualify to job the class Yahoo! from halding back o mail messages to conser-

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dest as welling to do with an authorized free throught being doors going fedure with the MAN, is great have tion was bring unexplayed. Moreover, the page marge Linguist a wall the last some sone of pirating new co-

### Dear 2000;

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have restricting thy freedoms? If expenditions are al-2000 teachers and 2600 benefitting in the com. My growready Chetateming people for using "sucks" or "blows" Sissibility in in the party of the contract of I realize you will parkably take offerse to the gal teact action of gardrally begon committy give ut? tion to your will you the off formal feature, sin your lo-

> "2006 hours geneikoone er yozeth piedemazuaries as ni" apolition company played your paner and registered ing merchedos thoughts. What would you goes do if from the language in redgt to keep people from thicknever 1986. Big Backer officiency contain words manage and resources than another George Oncell's ter can booghts seat? Will the they come when if I say in a domain water, which is no stop them their giving afwith some faction unity was millions of these exact Book MBCT set and I could from enders logal battles

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### Dear /600:

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## IRC Bitching

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sided OK, get that out of my green. gring on and defining something and you'll probably be locked and bareed the from the channel. Try it, try Jack with no trial and then some assects operates sad I said how sought you like it if you got bodged 🔄 sound it anyone saw in Some guy grav "linck Kevin". were and signed on to the TERC 20000 channel and Ealer, I find over the Mitnish diag on 60 Menatur and was taking questions! What a bunch of graf dump and This of the a greened and his section of heavy.)

Muskraker

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, who think they are before than everyone also become Cate kin on there. everyone, even the rest inchers, are snothly purple sause yours but depualed the a point where main force and are starting our one IRC serve for couled server. Now we have registered our pain dobecame of that we've proved to a small, privately what the 2000 but JRC server have ingreded moot and times after I was searching through my logic. This as and isolated. This bus biopeased to the militiary of a shell account in Windows. These two incidents are CVIX to do our envirage We shart found out he was on behansed tinkers in Windows around of compilers in joke), and stated juding a compact became they About a designor (excess the name, it's at inside ed it. So that he came into my change that I created. made are maded a basked the person who did it why he work in Windows and using maRC, and leavance we answer, he was kicked and, I familiant afterwards, the peace() and then when my friend trial kine I have the omside of Xwindows on Linux?" File was flatted to new to Linea. The speeded was "bow do I set up JJP coming in. The pureon had a question between he was person with the question was kinked and tenned. That you can flatte those who don't. My triend soil me he and her these because I simply the not have enough was sitting in allieus one day and be saw someone TOX COUNTY TO DE LA CONTRACT OF THE CONTRACT O think I'm a lamen.) Adultion thing, I have found it is Linux or InteBSD with the two medijust so yan dewi-Principles, (All this to explain to you why I don't use more yeard time to carefulne them. So ( above to eye surés or internal USE madema ? dis osa want to ga out FreeBSD and Using computers that I have enforced #5600). My windows computer ites (0.51), and my been flore of by people, saying I wasn't wasn't or IBC effect that is considered have by the "edition" on Builds I was a roughten organized on Lace Brown 1250" because I was using Princews and mIRC (so. Littleight 1300 was for their, 2500 for Searcing, But

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## H2K Videos

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ary politice cause. "Wall, resolving they jubbley do is make cashins with But you've pot to have the sawn to be enforced:

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### Dear 36007

"Cable is to the Informer what lightning is no the lightning leag," said back "Shortl, Read of the Minition Picture Association of America, at Thirodop's hope that," (San Presented Emerica Enday, June 10, 2010, page 8-2).

Now, this kinds shit really pieces the eff.

I the lightning bugs. I have a for ordered meaneries of lightning bugs. When segmen rights, man,
group gues, girliftends. I then't realize stand what the
first lightning bugs have no do with lightning, and J
welly don't understand what the of this has to the with
the Internals.

But if Jack Valuati is no friend of lightning bugs then he is no thread of mate.

### Decing the

### Dear 2669

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### Dear 2660.

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### William Ryan

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### Dear Joins

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should pass the link along www.gigdog.orgideness

Selfers it amost, some grutte stess bestitet da. Jahr 1940 SS tance some branch man Mikelij

### Dean 2666:

Uting your stand against the MPAA, is one of the most admittable things I we heard of in my lifetime. Clearly, the unsize path would be to change your site and forgot about the whole thing. But you didn't became of the largest and more well-known composite that the heart think to present and infunction you, and you available to speak the unit is you know at the creditable patents the unit is you know at the creditable Please heapt up your good we'll.

### oddy Ophillo

### Dear 2000:

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### Dear 3660

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Beginned Out

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### Dear 2600:

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Our stong I should have to also of inless to denote to taking of the place to denote the place taking of that, I sky laws a good should manay to show a fining. I've denoted bearily to taking with the explicit active that the funds be tagged for your deforms that. I'm also interested if you have any edian organizations appropriately good that would be encouraged by a discretion take though like this on in the forms. I streams ago other a selection is unlike things like this on in the forms. I streams ago other a selection a similar singuished to denote as they out. Also, have you had any dinart expenses in this that family and it so where out I send a winds to help with that family.

### es danishisa ka

Spoon

There has been entiring originiting on neuronal - yet. If then obtained whomay , yet? If there also not not one sees, from more philosophete deep the democratical committee in the EFF. And also play for the support?

## Misconceptions

### Dosn 2600:

This off, you guy have a lockins mag. These is no other reacting material it look forward to easier. There's this filter woman when work-driving basel BrackSher who showy begins to be these when I go in. The first time side said something like "I woman be a limited as a Dain charge my pleme will be after prophe" I said here that it was apting the lew and that go me the druthest look I we even seen. Another time she said the wonted to be a leaker to the world and are less and that the large my large and a look I was a part of the "I said here would are less to an american and method to be a leaker to the world and are the said that it said and a look of and directly applied that I said said and a leaker to be tween exclusion and or the said that Annu pasque just then I have a class.

All report lifes that have their closes couplinated by the many reaction. These proceptions are nonzerous and they considered to be perpendicted to can be proceeded by the horizontal processes of the shorter to contain to the perpendicted of closestic people are to contain the budge that in synchronize of the manifestation are in the budge that an area of the second processes of people and actually applying the last digitation of them.

### More Info

### Dear 2699;

In 27.2, Devil Moon's letter made one certical should be operative in 6.00 weight disclosing

"Nobody memoral in this writte was four or in land. Hence do not under any discurrences among to remark the descriptions carbined brain a you not other among you could get him, arrested, or even fathed. Driving actify a specials extremely the garantee Nover adongs to into off your healinghost right while the rehicle is moving. Always wear a section."

For those who do not work for Amelia the antodesign industry, you might not know the ray of cargot no dates, you down respect and respect cars of all

stackets. Engities with a get to modify and add things to see that averably workful to so them, it's peak we do in that we have a very tack right down the mod whate we can push down to their limit. To tak their gen formance above, and beyond what they would not maily endured days to day. And the not peak is whose testing should take place, not so they open need.

The have brewledge of the cut. Linew where it had come from and linew they had stready been this center the seal track. Then way a right to fit gow parts on all of them for the anothers, where it was to distinct that the time there were no entherns in the sechnal Lines in X number and could have bothed up its name. We mostly refer to case by an X number. Their extension of increases are usually used.

Another thing be remoded more if it should have stread that these care are not built for people to this a feature area. We closely always they should little and thirs according to the appropriate and could. Constituting house you're inside and bedind the whorf, a redamniphese, below over soil is very hard to seem.

The dutting at 75 mph resulty water is Fig shoul. In was from one expressiony to another. The spaced irrate bere at 70 mg/h and that at a no points added in your disease from so testify purpose or 75% for 17% stepway. So 75 many into component 75% for a big deal, not even by the enforcement. Especially and a big many) dual to their semicones in complete two-bigs many) dual to their semicones in complete two-bigs in Art 3 m. 175 is entabletty vocast storegot for tracking. Many a dight I have driven for an isotal drawn and some loss than a driven core.

The reach I work the anciet was for those who intight act be up no today? Such acting who doe't fellow the price and publications. The apply propriet sight find it increasing to form, that we are act put working or safety and more gatesnergy efficient vehicles free measured people which were accordinately is freeling by. Over thought with never be able to afford one. I at least undersuch what is possible and what today's treatmenting is expatible of.

### 51.00

### Dear 2000:

In 1644 the latters seative mentioned that Magapest will pour contine location of a CU intesspence to at a unit ordered and exchange. There is a traveler and exchange, there is a traveler way to get this information, fixeding those natives also the horse at "www.dstropers.com/coide not only returns the arkitess, but a very exchange served by the CO, its attention, ewhat, and all the services available from that office.

### ter 2600:

Interpretation gettern vanishte "Securing Web-Sine with ASP" in your Spring 5000 issue, Urberght Urb provide some additional information that your readers may be interpreted in.

Value "Making Sime Valid Chara Con See Only Their Information," surious makes mention of reachting the refer stag page by calling Requestion verViniablas ("HTTP, for BEAGR") gates a see right in that you can't took the bowser - but you can food an ASSP page time thinking it has come from a salid TRL. The

BUTTY BUTTERER ISSUES. sumptione) a proceeded problem in using only the inflowing technique exposes (by making a sew as

1800 CH the ASP page into thinking we've come from the cou-Finally, by whicking a barbon on the form we we dimaked to hit patience has broughout, our basing fooled appears and our property of oke in it of the medianous winblows/sockernbert into our browser, the juge backurp. Now when we type buy improposationned stackers lifes the geointing it to http://www.hars.org/ Feleriet Service Manager, Add a Semilie No. wellblookshade-othern and add it to the list of public in Next we need to could the path 'decipatr's re-wroodour local webserver. You chall always the value type in Microsoft.com in our browser, it will joint to the beliefted and the second property of "127.00.1 kgyers Microsoft com" to the ILOSTS Etc Miscosoft come like this by sealing (as one line). who seed by buppling appropriate the bounds. hap are washeds, or ghack as prince thicking we were 190000 that the little little of your wab sen or instead. starkurdick. First fet's create a Josefieret version of As an esample, let's separa want to feet

tion's pages on the same size - assuming permissions this leading at a walkit near of one organization could your eache lessue experimenting? were set only at the root level. You may need to also (at less, in theory) gain pocess to another organizastallations, but you got the blood Norwanted by using This may need to be tweaked a little for exercise

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### Tear 2000

cess will call to obtain another logal option. rem. The one can get had said a least who needs an put the flaw its any type of namety conductors sing sys is convincing 分級 多情 give you do ID, you, and stuffers there for the department generally a 16 year oct you less your ID ou the plane, she seek you see hying. the helpdost presenting to be that person. Tall them easeID protection is to obtain the name of an jessende and all you have to do to logar. This priors asself) was warded no the general logical (5) of one of the to login. The help-hold well always have a spare Se employed (preferably someone high up; and odd into consider, the costines way to horis into a great with So If a followith to the acticle regarding the So-

### Jerenny

### Dear \$600;

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> and they like my such so it wholes for our nowing. I live work a bunch of ravers (modificients) yan should find a different way to keep your groupe stude that was business should those places away.

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of some Every state, so well as the federal and miltatis a general that allows a pared manifestation pulling the NEIC is award and operated by the Little Overall. various "cristical" activities to well to registrations states and the rapid page your slaw to guile, whereas, Con Const. The MILE Service is the advantage (National Law Enforcement Terminal System) which is compacted to the NCIC (National United Informs.) System) is used to most, at not all, pelice operations in trans. It's a system that is compared to the SEFTS The TI ETS (Tooks I sow Enforcement Terrorical)

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# Bypassing Napster

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出かっ media v. v. feel if someone lucks line you made sounds would know cell phones are investige Tive Thefere he get board five years ago. If he were going to kill you, I know who you are and where you Novin Minuck used to make threats and say, "I'm

you, they just said you suck and you're haire? And if size of the someone to fix in that obey money. you have so stay what you're sking and its the web time you asked to exhaused the person who hacked something you totally disagreed about fluid owns. 2000 was vite and changed your index had file to

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### Dept 2690:

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might be interested to know about this.

distinction all fee Nepster and don't believe they did dendanc such and soch? is just a legal defense these these who simply allow other people to do so should inviting energy Though I do had piroug is wrong. really against what was going on. Saying "we don't of nuclei." The people in charge of Nagarat wate not salte as Napour sping "We don't conduct the pieces concluse hacking for illugation grows." They go that Case of inter-source for Internet Life for ed of 1976 dien't is he penished. So, what is 2600's opinion on commuconfluent payment chearing, or occurring designer. imprisonal. He was to my opinion a a iminal. Asyact with the flew and instruct them, how to fix it, not use that they becoming various crimes. What Ministra sone who commiss any west of crime whether in Second the was stall against the two and by this of some to be but I would content the party as pensible for the years hade and shall. Finding ways to do illegal sould is the whether 2009 is against the fact that he was charged with exemption orimes. I are all the researching how to what the presentented What they end wenter agree that it was unawardity for all and I am against was held in preson without this five come years and i Themse that 2006 is against the fact that Minick

### Bill Dahah

Others implied to the seven some activity with Mithigh n ere netter erren goessterself. Ert above pareintseld 18% they retired among the second just their Blanches More the crimer Militains is as frontly charged with any-Discountry "Cristian" "hadden to be impringued?"

> thank coaside ring the facts. Sentiarly, if one accords time. Clear you prove the criminal label as a country. Higher control to be to be the control of the control you can then Justify restricting or reintending to Invalidade information can only be used in heat ways. ) on the foreign productive interest in the fact interest in the first one course they shaply breaks the rades, it happens all the no eximplistic to joint brief specifies of a criminal be-

## Reprinting Stuff

partners. The anticle in greation is: "Finding and Ex-Ce litestificate to e-mail to our software tecting de-2006 would narrive credit. would only be used interestly and listly the anthor and dress so I double not himforr myself. Lassure you it old in observation form or get the author's e-could ack subscaler and I was worklering if I could get the areplaining Supering Astronomed to 171. Lattic were company and reposit lake to the an article force I work for a medium short but well known soft-

2500 deldresses - il ir compilatoria an ur discon they was with these after they appear in these payes making of the section of probability and them, our words to "hardwarded" beginned to the contribute of the contribute of coding to present them in other consister; from their Appearance on may agree of several policy and their a-HITTORY OVER THAT WASHINGTON HOW HAVE HELD AND THE PROPERTY. ing our words, and we don't finn't the working of our energy persons sold reads in we down building in region. We don't believe in favoing parquir to buy on uses for тарасіня што н ўскіг свай переўніўну іг ва в рускінак The special as people hour what he have in high and in You can return them, for them, or which we The name All we can be would five the weather and the anguaging. right enters for it so pictions people from solving the befor as to have our words greed. What our caps goes for maine iai veraun web site, our saring show and converses people to send our articles to telephopologic desirions with a tracker majoration from a supplying the we The confidence propositions and policy of the confidence For the record, and for the brought of those people

## The Old Days

### Ther 2000.

wrapper or something? Just entire advert the history. holes punched. Did they come sugged together or in a notify distributed. They were just should be justice with I was exertained to a pour old issues were onto

on the early dups of 2000. ested in seeing extellections from existinal subscribers faithful to fit in the same also amovings. We also taken we estimated the paper so that it was two side IT wheels particular riche. When we expected to eight paper, pages folded into an employed with loose itself hodes Originally, 1950 was maded out in their shorts of

# More Government Stupidity

会性がないので nor Tom Kidge signed a new bill into law May 25. The hill also requires that restination be paid for any special a compliator since force a seven year prises sontrice and a \$15,000 line in Penery Interior after Covery According to LDCs, purple who interactionally

FOR THE STATE STATE OF procedures a come to also defines a pempiner virus find of service stacks and the width spread of a gainunantimously, makes engigened beaching - projecting the The bill, which passed the House and Sendle

them? Br's sad Chings actually have come to this Permyloania, World they go to Canada to anext Casada released solvathing that affected semeone to leading virtues as all, but this gents a bit excessive. I'm carried what happens of someone that from any This suggested the Now I don't powering on a

a denial of white analytic me the world of trime. He NOT ROM. symmetric way only as the way of the property performs the resonant winder, or inconcerns decounts gendings of how is possibled one may consider registers almostrae exhibities the writing victors or congruencing we must be expected by Complete that to encountries was religion in the purchasers has eight de cross. And rise of nor law makers to dealing with them rands to be straight color to any flavor apprealing collect, the figure-While releasing wineer or engagings in denies of

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### Ale's righter seem. This is detaily on inthingeness on Barran & Nocommend when a show that fining age to their agreeds. As exclosure, people more the right to review and

## Observations

### Parar 26000:

smiled for hours. By the rapy Libert the see "Windows tore it up Secured Expilled juice on his new PlaySex I 2000. It's sepan. Lemin and Linix send with a capitod I Just get my fire 2660 mag over and my friend

"X" bugges they are see hard.

## ADD just out I make this you'r up. Suja riTarker@gol.com

三世紀 ある代のの played back on a let of different applications instead the tip 36 should smaller in size but they can now be and reasion of year 10ff The Mood files. Not only are The plant of the behalf of the description of the part of the

### Dear 2636:

on what this make is for and what is doesn include PC mode as concepte mixture and such as jit's to enougher switch to an AC mode after dust, I imapif you press 6000 then Entrum the persons while the Any Road unner feature people our cheer with any idea. equipped with a blocked othernal jeek on the back cable love is wife it swingbes to a PC mode. I also you in scanning quite Interesting. On my Time Warter too. White playing with my remote that right, I found

7007 thight he increased in my experience with US West's 300 program and payphones have in Pleasnin, Ari-With all your payphone efficies I thought you

MODIFIED OF WHICH SALES or more each call received, I would exist that number a number to respond to, knowing those numbers on St paystones. OR, so I have no class. I had competitors whose add Torould remove and of they lived a 1-500 A while look I was playing ack in, on, and ground

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### Autophobe

# Physics, Arizona.

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### Dog 2690;

issep set un IRC all day talking about their drugs and Some people give you regalise feedback about what gaves to censio politicions by contain acryonatices). have taken over most park of our government (funds to present overlights against the corporations which hicker construction) think it is wonder@how you by SON LESS NOTICE. you the bed they are joye a bunch of scene whereas wise Tike here you guy sweed up for the "good"

# Continued on page 48

And reference

2600 Magazine

## FINDING A LOOKUPS TARGET

ATBD veitreutoflutene... microsoflutene...microsoflutene...NA, NS, 117400, DNS4 CRMSFTNET., microsoflutene, microsoflutene...NA, NS, 117400, DNS5 CRMSFTNET., microsoflutene...microsoflutene...NA, NS, 117400, DNS1 microsoflutene.........NA, NS, 117400.

you and me. or security device that protects the internal petwork of xyz from the likes of hind this router is some kind of firewal IP address assigned to it. Usually bemanent circuit requires a fully qualified manently connected to the Internet and ier to find. This is because xyz is pera single dynamically assigned IP adentire network remains hidden behind tainty also be using NAT (network adthat xyz uses a dyosenically assigned IP address from their ISP. This IP adis going to be hard because it's likely or PSTN - POTS in the U.S.). your job the router at their end of the said perlines/private circuits) are however easdress. Fixed connections (leased dress translation; onsuring that their to the Interset. They will almost cerconnection is made from their network dress is likely to change every time a the Internet via a dialog link (i.e., ISDN xyzis network in the expanse of the toyou have a problem. How do you find xyz.com, none of my business why, but leanet? Firstly, if xyz is connected to So you we decided you want to hack

### Come Into Things? So Where Does DNS

the mail mail. So to find the xyz network, not that organization to send and receive at an ISP somewhere, follow the trail of just their website which may be hosted need to be visible from the internet for servers on site. These mail servers large organizations have their own mell Most medium (and some small) to

formed to determine where this mail perf 25 (SMTP) on 195,123,26,2. The IP address is determined from the MX sent to xyz.com will be sent to TCP company a network. Therefore, mail this will usually point directly at that the resulting IP address resolved from called a mail exchange or MX lookup. should be sent. This type of lookup is auser@xyz.com, a DNS lookup is per-When you send mail to

> should have located the network you outside interface (network interface) of Company's mail server used or assime lockup. This IP address may be the the corporate freshalf. Either way you

# How To Do DNS Lookups

are seeving.

nslookup program. The hard way is to use the raw

you specify. the corresponding tolemel address. In ample, microsoft.com ) and find out for or user enter a bost risine flor exthat lets an internet server administrafind the host name for an IP address will also do reverse name lookup and nslookup is the name of a program

crosoft.com , you would receive as a be something like: 207.46.130.14 or if response our IP address, which would return microsoff.com you entered 207.46.130.14 , if would For example, if you entered init

system hierarchy. are using, the default may be the local terNIC) for the entre domain name server, or the reof name server (at leprovider, some intermediate name DNS name server at your service server. Depending on the system you faulted) Domain Name System (DNS) query packet to a designated (or denslockup sends a domain name

ing systems include this utility (NT and most fievers of Unix dc) and if DNS is microsoft.com, however not all operati prompt and type: nalogard chine it will not work anyway. not carrectly configured on your ma-You can go directly to the command

### The Easy Way

types of BNS records). sites (get one that specifies it can do al-DNS utility from one of the file mine this article or to download and use a based lookups detailed at the end of It is far easier to use one of the web-

DNS lookup of the Microsoft domain http://inettools.com/ of what a complete Here is the dump (from DNScape

> 207.46.138.11. microsoft.com , DNSA CRMSFT, NET. , NA. A., 64800 , 207.46.138.12. microsoft.com , DNSA CRMSFT, NET. , NA. A., 50237 , 131.107.1.7., microsoft.com , DNSI microsoft.com , NA. A., 20238 , radio.microsoft.com, reiensoft.com, reiensoft.com. 8th, manH.manosoft.com., microsoft.com, microsoft.com., No., 131.1073.125 , microsoft.com , maill.microsoft.com , NA , A , 7291 . 131.1073.121 , microsoft.com , maill.microsoft.com , NA , A , 26288 DNS Lawicrosoft com , microsofticom, microsofticom, .W.  $DNSS.CP_dSFTNBT$  , nicrosyltown , nicrosyltown , NA , NS ,  $HPd\theta\theta$ ΑΤΒΟ πέσουρξε έρεις , πεταποξέ έρεις , πείταροξέ έρεις . ΝΑ ΦΝΙΑ CRMSFINET . . πείταρη, ένεις , πείταροξε έρεις , ΝΑ radiblizione de com , microsofticon , microsofticon , AA , mail2.microsoft.com , microsoft.com , microsoft.com . NA , 207.46.131.30 , with modulation , with modulation 1.364 , A , 21914207.46.131.137 . mirrosoft.com . microsoft.com . NA . A . 21914 207.46.130.45 , exceptifican, wisopsettions,  $Na_+A_+ 21914$ 207.46.130.149 , microsoft.com , sciensoft.com , NA , A , 21914 207.46.130.14 , microsoft.com , microsoft.com . Na., A. 21914 Besper nambet, mierovoji u om. Sm2693001 902 Rejteviti; 909 Restyct000 earli microsoft com , microsoft com, microsoft com , Ma , MX Papáre: 7200000 Mádisseou 43200 des CRMSPINET, microsoft.com, microsoft.com, NA, SOA, 5915. 社会 35% NS. 117400 NS. 127400 NY. 公司案 MX, 26288 . 117400 262.89 26288 26288, Profesio , Pref. 16 LENGTH I Pre(110 Page 16

So what does all that stuff

the expanse of the Internet you have their corresponding IP addresses. In et is a list of Microsoft's servers with mean?Basically, what you are looking just found Microsoft's network. Just cok for the MX reports...

# Programs and Web-based Lookups

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dnspexinslookup.phimi

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Microsoft

2000 Magazane Francisco - Doldania

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# Defeat URL Filters Another Way to



by ASM\_dood

ing work, school, or at home. I'm not that this software often classifies certain that it needs to be said of software either by regutation or hav-NetNanny - we all know these pieces them while trying to surfithe web during personally been blocked by one of Cyperpatrol, Websense, Surf-Vatch,

CONTRACT SPECTURE. heavily towards one end of the with sites incorrectly or leans

browsing what they deem to be into place to keep you from school, or corporation have put prooxer that your parents, here is a way to defeat that URL Having faid the graundwork,

URC Filed such as http://www.2600.com legal, or Crime depending on the Delag blocked from going to, (which is defined as Hacking, Take the URL that you are

and you will get the IP address 207.99.30.230 which is just the datted actet of its 32 bit number. Do an na bookup on the UKL

convert it to its binary equivalent: 207 = 13001111Take the individual octet and

230 = 16100110

gether than eight digits, be sure to pad Next string the numbers tothem out with leading zeroes If any of the numbers are less

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salai equivalent calculator and convert to its dec-

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presto, you are now at to: http://3478379686 and, SO DOM, WAS CAN JUST SUIT CHAN

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2600 Magazine

# Accessing Federal Court Records

by iconociast

ioonoclast@thepentagan.com

Bulletin Board System. for federal circuit court records is ASSSTAppeliate including social security numbered Advised system tem saled NIBS (National Inlegrated Bankruptcy System) allows scaration of bankneptly records pass to district court records, while a different sys-Records. The standard PACER service allows ac-PACER: Public Appres to Court Electronic that unifies the peoples to these reports is called don coos net come for free, but it is fairly choop is peoply accessive electronically. This informaincluding parties, judges, lawyers, and judgmants and affordable for the quilibux leader. The system telion such as osse and docket information that behindploy, and appellate courts. Documensocies to information from a most 200 foderal dis-The leaders' government kindly provides public

Access romes in two forms. Our is procesn disk-up access to each of the individual points and the other high-mental for the particular points and the other is visit the web if it has been high-mental for their particular point. There are two did upo for each court one is an IBM number for each court one is an IBM number for each cutoff figure enywhere and there is also a local disk-up. For a complete let of both disk-up numbers and at web addresses where. Purplement uscalars (provide acceptance) from the other and attended to the individual sections. A few of the disk-ups input in the particular sections.

the ordine regionation form https://paccrass.iuspourts.gov/regionninterition last name followed by four number's chargoless characters which are the Initia's of your first and login is in the formation than the arrivage slights. dress as well as comall to obtain an account. The tame. You will need to supply you man and adof the computers in the PACER NIBS/ASOS syst case alpha and rungero characters. Charabinetion is a unknowed login that works across all Log of belief will be bassed for a realization Bring is quarterly, however it is free to register. A eded a suco cover special education bade The password is a combination of a gird lower within two weeks. This uses name/password cam-The diel-up service costs 60 conta a minute

Let's say that you've signed up for an account and now you thatly gally nice brown ervetops in the mail with your login packet. What are you going to do with it? You remember hearing something on the news about section Migrick being denied a helt hearing and now would be verify the information protections accuracy directly for

550 Feb. (68) Ce. history", The lijudge sure knows how to so so with orier decied a dail hearing in United States NO TO GOT HIM BUILT TO THE THE SHEET PRISE R. Pleeber state: THE COURT FAM NOT GOsponse to a request concenting the date of a batt we then had some astonishing reading. In re-Innedon, Scientify Osse Municer 2 983/30091 sling into that specific computer to retrieve the Inwill be stored on the particular court computer eight court records. Sometimes the actual records and then type in Kevin's pame. We find about or minal search because of the nature of the case where the case was heard. That would regume du radex of other case information. We will select a States Perfectage Index) which is a national te term software are distripting the USPCI (United) First you we'rn up your modern and the up some TITES L'existent up Kevin Mariek vicous récords bravesty of justice could begun in this country? yourself because you can't behave that such a earing we see the cisho woulde judge Manara

What about those SSNs on NIBSY After disting up the court computer and logging in, there is an option (Search by SSNTAX #, but unterlunately it does not allow wild bends. It werver, you will instead choose the option to "Les New Cases". You specify a deep range and substances from the state of hards of hards with addresses and substancing numbers of people in your neighborhood, or elsewhere that are having a title fances is incured.

Let's do a brief security arrays to PACER. The restrictions conditionally arrays or PACER. The restrictions for dispeters are those to password choice make it senies that west, however, given the application if nicy be source patch. The PACER requiry compating are on a separate eye term from the math about that do reputers which as a very good food. If means that there will be a dearly of about a day in abbaining acceptly in kingle could information, but it also prevents the Chinical from attempting to cross or medity, his could require the easy analysisty of measure latings of social seauch requires that a supplier level to found and patched level to found and about a thorough who have already had their share of thrancial differences.

I predict that expess to federal court records for the everage hadrer will become more and more impariant as our government starts to perceute and procesus rings who engage in horoustic technological explanation.

"lify people are destroyed from lest of knowledge..." - House 456

Zone Scanning

by DEFT

deft@phsyce.com

Recently five been trying to add more track to my port scanning. By this image if by to resist the artist to scen large class. Bin the exist that take days or weeks to complete, and which also result in my 18th boroning ma because they got 10 tests from companies who were surroyed by my massive scans. And all this for whalf to snew port 133 is open on aboronic branch traceful is they alway we can make our exerts more efficient and even less and are the companies.

What there was a way to spend by at the

INSTRUCTION SAID dently be accomplished? Yes And our grawer sompany's network. Can little cutekty and effithe stack since we just want the big players on a addresses (41985) in between the low don't really spread our over seperate subjects. Maybe many of the company, we would need a way to span only FFP, NT, UNIX carvers, switches, routers, etc., of fon to ourselves. By forporter of Linear the Web ng useless machines and probably cell 468 appro (whatever com?) We would waste loss time prob-Amportant inschines in a domain occes sit an 100,20.9 and up. That's over 1000 he copyrigite Web servers at on the 100,20% keep in mind, all these important machines are i.e., users' wires boxes) machines in between. about and a lot of the more interesting UNIX noso addresses and not be other anytemstate

Comeins will allow you to do this. may how a latte odd (read spepiddes), end not sti amount of information from a domain. However, if is revords up to date - there's nothing dieged other unknown machines (which may be just as are querying. So if you are looking to probe those machines of another zone. I emphasized Trigit-STATE OF THE PROPERTY OF STATE thing called a zone transfer. A zone barefer is about it. So it's a great way to get an encomous for it is legitimate way for one DNS server to keep ype of scanus action you. Note that a cone transthe ways in between all these major ones. This reportant to you as many surprises can be found to andwor your quostion, we will be using someask. Worl, first of all, hard on DNS specialty. To Somewhere, And this is the information we need machine raines kinnwa to the the DMS series you prodifications a some transfer only obtains the www.drs.net/chend/ (lots of great tools tool). Now get more beokground on this ENS staffiga to So how do we get this into Mr. DNS man't you iando so an organization is registared in DNS quality any machine that is of significant impor-DNS is the who's who of the Internal, an

The programs we will use to do this are host, which mass on their generable at

weekdns neckhardrook him), and is do the scarp, imply (www.inserue.org), of course. The proposal intelligensed in 2600 a write back. Oreck out 114. Net Suding Techniques, segal of a quick occasion of hoat. Wholever, segal out people in own transfer for as well. Segal own destreiches of hoat. Wholever, segal can people in owns transfer for as well. Segal www.drau.net/dris.com.archivestods hard for some groot pods.

The Program

even WindS. Try substituting netter for nimap and but can be easily edepted to perfor NT or sample bulk sear. This program is made to surror soon the inscrines that matter to haster than a sessoned by omap. So there we shall how we can these repeating IPs and pursition a field bethe same in the program than their out at all all example ) New although enrop could read this file virtual addressing. Try "host -alk mitwoon" for an instead of pregnance because more than one the DNS and its got only a list of IPS We use IPS we used to do some decays. First, we stip of oan't reso in these IPs due to this extra junk, so even comit and you'll see what I mean. Ninepwith the IP addresses. Tay running Thod laby what machines. Host by itself returns a lot of junt along achieve our objective of scending the important licationine can be mapped to a single IP (This is eating, there can be many repeating entires of Using a little ped we can make host and nmap

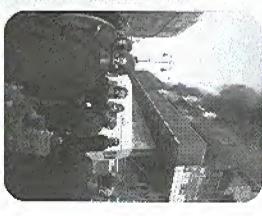
中野のありる大 could be missing many other important (95%) of learn about trouveries of machines this way we ring the hoots registered in DNS. Though we can side. Remember, we are only rewising and scanthorough. Which brings me le the second does y zone transfer. However, the zone transfer is not as thousands of probes, but it would only log one a sour. When seeming, an IES would notice way, a cone transfer may even be preferred over since a lot of IDS's log 65'N scane now. In this egen callies scendor to lead than a SYN scen, than your typical TCF-Common scan, and might TOUR TO STATE OF THE STATE OF THE STATE OF THE PROPERTY. say it would be noticed, as some fortsforts and a my will high a remaind manager. The is not to Pristly it is loud, furly company with decent secu-There are two downsides to this motivat.

At in all, this highlood is prefly handy tit is conservative, yet effective. You could also added this program to scent only carrein types of medicines by popular for scenarious title hostings for readings the hosting scheme that gives a him (if not confight tells you) what the matrice is SUN3 whatever carr, figure that gives you only want to greb before examples. Maybe you only want to greb before the matrices. Maybe you only want to greb before to see our spin to the possible. You don't even have to

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print "Target the created. Starting amap cowon":
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                                                    $yatem[?uscbin/cmsp -s8 -it_heatsTeSpan -- leg&")
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                                                                                                                   edean up and do the soun. Add your own nave, options here.
                                                                                                                                                                               print "Check log for results.\n";
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# Continued from page 5

the Independent Media Council during the Recility reopen sea minutes after the window for that there was no threat. The police be the fapirade of the poties made it aboutdonly clear lice repeatedly "inspected" the bendquarters of Sar thom an isolated event. In Philodelphia, po the samilian regressions soon had obeyed. This was remb squad ever showed up and the relaxed at-



nating to greath the public. You see gw more income together, using the net and some imagiand are interested in making a difference can want to have any grance at all of making a dilit clear that we have to work together if we all of the crap that is beopened to us, has made tremendous sharing of information and rereported. All you saw there were the same bor On the mainstrance increasing bone of this was change to the world. formation at www.indymedia.org. No matter New York where those who have been ghar out the independent Media Center to form a base in foremen. That's wife we so decided to blin with sources that recompleded in TEX. not to mortion United States has been reduced as ing non-issues. This is what journalism in the conically also using the internet as their main when they broadess non-government repuris, the bailding for so particular reason except to addition, helpseted rice cops would sungood nor of violations to order to shot it down. In politican Convention broking for the most mi-The implication of these events along with the had been used on Stadio B92 in Yugoslavian interpolate the inhabitants. These exact receipt

> arrenday. It's observed and pay explanation and Communicating. by opening people's eyes to the issues that have the threats to freedom that keep hitting usubay ðatti igsurað. Neverskup eðudsting yaurself og

take place in 2002, a year earliest than process will be published in upcoming issues. lar in style to a HOPB conference. More details overall raced for this kind of thing. Next year owing to the great suppose of \$1200 and the in the near future. Our next conference will the Netherlands which we believe will be simiwe excende people to stage HAC 3001 in will be made available on Vida and year DVD Tree Kevin movement and the harker galrens Evel circuit. The city, which the gas on the slowly making the hacker growenders film forus? It's hard to say. A lot has Biographical to the So now the question remains a what's next for Downtown has finally been finished and is now past tex months. Our documentary Emedons

us to be cristal other and not open to any masallowed to du. We want the restrictions against remove a herealize charts give less thing we've not the same as linking and if we're ordered to and accompanies with the property of the prope incredibly misgridal mling. However, we have as hors as that nepheus possible. We have comthings, we intend to keep doing what wo do for that contain the DeCSS code as per the judge's press time, we have removed all links to sites or forme cases that involve the DMCA. At plied with the injunctions against us but we As for how the result of the trial will affect doubt that will be enough to salesfy the MPAA

https://www.clf.ugg/support/joine/filblant or Court. Bease help make that happen, and visit rake the appeal all the way to the Saprence possible and have expressed the intention to ple to make exable donations to the Slectronic tions for all of this will be. We encourage pen-Cuchasa Mand Signature CAPTOS USAN send a check/money under to felectronic Fron-Frontier Foundation, who have made this high We don't get know what the financial ramifice jar Frandstron, 1550 Bryant Speet Suite 725

are the only hope we have for averting this and awareness, for this and all related estates, number of legal oxides on the horizon. Support stand as is, you can be on an increasible. Calacinoptic altimately sake or if the DMCA is altoward to printigation them are being sold now - but if we poor lie who make 1-shirts with seaser code We're not the only victims in this fight - even

where you are in the world, you can participate

# Continued from page 39

Della Mode

a "bad" juy and daugeness" You guys would probably and I il see what I can do. rapity welcoing the videal Let the Store if you wood it quite accusing, As usual, the hacker was expresented as and saleues and other july bene saleues. Desirg the place placeting and lucking it was based by the visitors. Como worse a few proprendes to 25000 which with about a bald from video and it degicated all the prope gay that divis America's New World, It basically was out training. One showed to a videa, a video about my Bired position. Upos wanted to tell you that during that it cought of analytic ago and am now weathing in Spaint (figure in our year). I finished up my training the Fortune 500. They were trying to mange with I work for a resigning that is a top 25 designing to

DANIES OF MA DESIGNA to see what heads of attitude up times are heavy passed barbers and compares secondly. It's always retired barries or internal sideous of any one character with issues of states the see difficulty are introduced as only popular We're a mally had that Mac for a resolver of

opproving contrasts body that was responsible for breaking the toundation of an Circle States Cabin and Constron So one as Instalted groundbleaking publication, hips years from now, 2000 will be compared with the Country, The Jungle Personally, Leonsider 2000 a very important and

knot to a feet reveaue stream when they first out they totaped again stack. Their own unethical behavior with despendeds by implemental will state and a all will are presenting a dead king. Enjoy, you are truly made extra leverenally, the market or purelight that they are they aim solety to. You have American history on your to letter what they know and find a good adultery that parallals like this have were over many, you just food To extract those folks. If the Small (for Singer)

Wealth Reache

des) beliene un'en escetto ei dies stanka for die impo-. Profit grade a companione, one which we conseid

### Desc 2669:

having real, it wouldn't it! Keep up the good work. tently understandable. The agirit of plays of just plan Engagerines but find your articles to be the most consis-Tegloy your magazina. Lalso read other compater

### Lotto Fever

the CT Trainers wants to be about people bying to chance us win. The Juney thing is abor as procedure as generating the "random" monters for the people's try machine respondible for noise cashing, cales, and lievery. Back Sew tions I have had so reboot the low different kinds of Locouts the nearly gal-right quick be-Contection, and the many other gooderies, we call was a little bit amusing. I work to an X-12 Martin from solyable actually interested, (jost thought this

> works would be a kery simple rest. abines interrupting and charging boss this machine one was able to plup a keyboard into one of these ma-1908 based program handling only the simpless of tasks, basically through different baseb mas (Mixa). If cheat the system, ass machine is almost so unitroly

100116

the Como theadquarters area? other server. On this agreen a choose the login time, Some of the pray buttons, when pushed, trains up toposhing two strength on the little gray buttons that secfind out how stuff wacks. Well I did just that in the Jo dive how white, you shall to get carious and winner 28900 kiga nodeze izi dem Sac obsisada in whorever Wondering how hallow meetings work, they have a PHIDOS CLARGE DOWN and refer to sell state. (年 you the number in addition between of appelling (stations, by) unmarked, and found out some pretty amaking details and that. See, I was makeing around with the keys. Added that is bow it is in PA. Anyway, after working Chick for the big one, the \$1,000,000 Super 6 Issue. dase digit annilser, four digrammater. \$100,000 knows lowers machines and games. It varies from playing a and I know that all of you are very face for with the d send at a list of groupey stock in Penthylerania

mustines, find our What Makken command op Now have learned so much about how the lonery muchbers Explore and only there are! Some may be surprising, others may not was most suggested you sent the place with both and knowing a good deal alsed congulars and set 1 bide it too well. Decembers what you get for engineers We information to be outer turny became they dole? sometiments) and calling the 80% nearbor. I round all sireota in by using the matchine matches (found in the a default password see or anything, but it know you can this password year could have a whole lot or greet but came it is on a little sticker and as the place where I I would use on the such a thing. I part not such if there is week, it's honging so the public can sine this With find the password somewhere hidden in the store be-Justi Codewa gray beacon with the down unow it gives the light each and passe and somewhalf high can also The about interesting thing I found to that if you

The interest

# The Dangers of Info

Thear 1000.

Quinn April

dem or speech, but if we give and information have this principal, timesa, don't get me wowg, I vogosit force southing the trained within both discharge than a place. The size of free inforceasion source more like shootign't have been available to discover the find and weeked the time of pubics investigators. Even mondationer. Their back at this with remove, Should Bidagh they won't do a again, may be the information COLPADS CORNAND of skilling, got the admin fired Buy really have done that? They probably coulde the sees. It must have been welly fine. But a few holes and were studed cracking sites, reading what province information they had in the e, and defining A white ago, some friends found come security

> do it has year magazing? principals, but can you gays stand idly by when peomades. I know that this is given against a list of given they are planaking. Maybo even shortdown sites the it will surely get in the wrong bonds. May be the perple and traving their phone lines exposed to some payhank on the because they give are to this find or terior cought Eacking on each use a plante for several years if body to got on the facementor a few years if they are cruciaci should de things such as not allowing seme phone in Eddie Eiler gestieg the infinentalismen have to

NAME OF STREET I'm was irresponsible use of biforearise is not need tion in many text during operand her so it supported. to confell there adhight than one mouse of informer TO THE THE PROPERTY OF THE PRO models and find the factor of the projects arrange from contrasources and angle trade these and disputers of purch. parient and even jobares, and reading high regards when we'll exercise at any years chiefly in contacts eath back of the programmin to mandatagetic line

# Phone Problems

can lead one in the right diseasion. Timestary with and what I'm dealing with and how to solve it. Maybe you wine made my think you guys would have maginated halp at all saying it's my problem. Steeding own mpgthrows not my long distance causes which is MCI. They in pure blame me and Bell Athenia. ACI, wood? even preference independent (2) problem. Bell Achteue for a legitimen like me. No send is willing to help on ment while do n'there WOLL I posses of who the emitter congular. I know the first thing you are going to talk this doing its turner a milest which is not even in my CONTRACTOR DELIVER TO A TOTAL DESCRIPTION OF STATE OF STA My this bill a fixed with \$675,00 whath of charges to residence any mane incommended to technique content to the cal Eurober for one. Sometion Bell Affinite made p next. I countried with the operator that there is one for paddent. Harce &OL so my 15P and they provided me anged thought I could turn to you for advise on my I devil a und costant of the said smill, I am teamwith three local access respitors with widolite opeforce a new reader to your magazine and although

from legging, Jean Hermother, John Regards, Negistra Will be the Board State mental to a magnificially edifferent automorphism the time. personal of them in table do printer that you experient STORES ASSESSMENT TO COMPANY TO THE PROPERTY OF THE PROPERTY O service became give billing dispute week MCI. You more therefor - Bolt Atlantic Case of terminal years party. Whenever the problem - next we'll like to hear posepartus abar amar i mengritari by atmitoral paremay be within to embange owned by competing 前ののないでは、大は、気はないのでは、一方のでは、 一年 かられ 他子になるからころは 三日を見るる たか

### Dear 2600:

Should the collect ID and I was line when my primary phone the right. Montally, I Okay, here's a retard ope. I his surrag of bome on

> ・ログスがという形に対し 123-424-7850 金に登りては一条

ing with my lines? And if they are, do you have any my lines. I still find this rather wend, is the celebratical ing over at the NTD proclased collectly serioring web-Kely's Some just a dial from Technology pure is they my idea what they are dring? seconds later. Addrough numbers out the shear out backsearnebay like (which is ordine) disconnected a few Stock a Sew issues upon I picked up the European we-Okey, so light a specified caller ID which friend

### であることがあっ

to know more about this.

meet supposed to discount a cally though White like parency line and liver year secondary and 18800 sess

dhe aigear aj seume sout aj redou text adried jêzet dur yegen

Although notice some since this before, it reserves

re porposee stateholders job yet. Any suggestions would be much agreement and 39 detrivework discripted like shelling our backs with Amoryments Blacker (\$1,99 a groups), Sour 69 alde), get a new physic interferi (SPCDB), er celler ID were try options: Star 60, Star 57 (a police piliene We relied one second entered waits up service. These culied Reis-lists Wristo regarding sempsoon calls. manuals. When I are one, there's no rare on the line. I wing nut take been calling me at exactly \$150 every magines a Card & 1 god your pupping to say ingens. Now if a my tare, flor the beginner weeks some atris and their accompanying converse they're all For Location the policies of recombing which have her I'm not a beater. I can lunely bear up and yet the

### уштегорогиал

connect whoever is designable and make them step. the game pare will reade it easy to reach. They will suite you price an Tea for rubat it happens every day as is the front of the prime hook) and give them the deredired pen greeng tissee receive. This is comparably we-Moreover, their years' that was a book desired it. Contact their Americans Civil Bureau into candles to from happening. (Ann.) Ar fancan self jan ocharwist. minimal. The document becomes payor prompt in edge obly there have every traductor fembers come up with the

### Schools

Dogs 2600:

tales of entrajet systems, so beauty my secty, which 1999 may be setting stell of kick writing to with their pered exceptions is only trying to further their oction pel or severely parish a student who, with only a few wender how of's possible that these succertifily stugic. may material up to the spirits of every one. the system. Any easy, that some that some another soft tion on, as in the case of Oods\_WarnorX, actually help alward county story, for the color of a theory of the colors of the colo polytic with must realize that they know pack ship person within a school or other organization. I also sach a teck of intelligence as a make it to posigous et ing" has been making me wonder how grappio with herror stones about students being harassed for "hous-The like to what office saying that reading all these

I was never even directored of "grad," and to a result, I went expenieled. In first aliand that hacking can actually be used for the parens House, but being a less and teacher than most vite refor which I exalt have been bruned from the White Len a burish of the computer laburales, the penichtreet thank you." She obviously know that I mak have brofixed the protect and I don't know how you did it, but computing and said. "I know that it was god who hacked back into the system and hack there, after sing SIGHT TERM BY WE CAN SOME IN POOR WORK KINDS One day my friend with me that eve of the computer quotest flow singlet is that? Anyway, I wild my bear of needed "busing, see proceed on side and which was row. Nationally, my immediate desire was at my school had summed to our Linear based PC's. whiching. The desired (i), the head component to beacher loss of students to confinue waiting their everys and days, and the staff ware that he to repair them, but later on, the printers stopped to white for short two wegried for a white but it pasted without issue. Then egysterm," Suit that site 1908 dood about it. I have a little ing with the computers, non-desarrotively, of course filtered the password, and we had a reveall of fire playso guin 2000 on the system, which Tovantrally elid, and is all stance when they approach the computer tob

not to be fewed, and that they are capable of the the year, the two of no cylin had been using hines for the we had broked into their great and broken over, community that there is cill hape. good. I hope that our study serves to remited the hacker that we person to at legal one person, that backers are when someone hadly configures a system. I'm happy grandian angels we were, hising things that break years longer than bery would not have been the histofourth a great deal. In fact, had she busted as earlier in she allowed us to experiment with the system and sucremented spieldsmartheigg-geometrispheneses. reason that she was actually liberal and not a figlic-ass. single one of the componer lab rules, but for the sole Sucre without any shocks for most of the school year. To summarize coloidy, the company lab reaction

Anonymous Bucker in England

If it the left street, if yearing supportibly has been able to recipious an elevable, permise quietes. If year easy to arread a majorius impreciate by feeing in responsible and that will also be used asplict these error people in the factors.

Drag 2550:

The IID bridges have come to sown. The county is now spending storkey largely track of a livin we may and what wo do by having the bridges checked deely by the whiters. Since the bridges also have a bar cold with our should Security munical and facility are a complete invasion of our privacy as eminents. If you do act complete invasion of our privacy as eminents. If you do act complete invasion of our privacy as eminents. If you do act complete invasion of our privacy are their present of or warm event told shour for that matter, you are given a five dollar Voll and prograssively brester purchasing.

SuprdMage

20000

I will away marent substrainer to your mapages it.

send to you from addition. The pure about broking to east. It can't cought any eye. The admittant ment of any high wheal in Myrite Beach, SC also maken were ID can't field how complication, practicized (get they but dede. They we are may but codes. Some times. It question the samily we want administration. The literal for and cofferfield, whose ID anniholds from the other hands as the minute and that face digits of their social wountry members of the members are any earlier social wountry members, our ID numbers are on payed sounity members of their world for woman't except the school's distribute hadd for woman't except, the school's distribute hadd souning numbers, additionally numbers, and the school of complete in the school of their seasons as severe to parelyte in the school of their seasons.

YorNamillare

derity United to every student in the source.

Dear 2000

I am a board spacking new worker of your lift of airs (172), and 1 must say that are gains emprosed. It's nice to get some reminders every now and them for facts or get some reminders every now and them for facts or some boak and of only open-minded folks will around had now fripping through. I was impressed at the workfact septimization you assume groundly. I had some of your reader growers. But I was a real more impressed by the obligation and denses that were printed regarding all kinds of items shout. Its, liberty, and general schoensian, I was surpliced to find a magazine that was pureraying items that we contact so well with my own two other contameters of brain. An "Editor-In Chief" manual famounced 60%-sine who is being and by the MFAA to Track girst tax profess?

Anyway, Lim a young suident suiding computer science at our fire wheeled in the University of Columbia of the University of the united at foodbar. I have always been feedbased by the way people assume that their platforagely on the suit paste stripty, the best, and a varyous should be subjected to it requestless of their equicions and the matter. You can see this meat always in our public ethodated system, which was brought up once and over in your latter workers of this base. I harmed at a very young age that plutty error, in fact, infallable, from this your and.

Ore particular softwall base lesson structured by design area. "Now had fining," in middle school. We had a "common's horizor" species, westerprovid will up, pass 1 for bomework assignments or press 2 for softwall events with howel behalf, you could press 5, events out. Well to wall behalf, you could press 5, events out. The soft of some only formework box. Softing found I could record once any formework box. Softing the 13 year old first how I proceeded to wape out both the formework begans and they boy should be about the soft of the formework begans and they had so the soft of the formework of the fining your could life, like set provides these and deating mathematic, set, all of which I de. I make some of you rulks are forming with 15 de. I make some of you rulks are forming with these byper of program.

Productably, any languing name look to have me when a look of some and when a look of the Africana's "Raye Me" of the filter harve, they when the watern than world get called interior principal's office, then regard not a good over heart, and that "the police were already involved," and generally made to pies

to endourage one to seems with the solved polaritisticspaters back them know a "hacker," e-ei dwaghd knew liele danst owntion. All of the kids to select thought to was so cool to credibly amused by the whole situation and processed Reads opening about the posterior property were in All the principle of the Superson of the Super No sees), and of one se, my hold value as a diagona stable school pass and mountain town, so this was Litadii no tirat show at up in san axed popus (I fixed in leg. The best parts ended up being the food page. one other schoolies cost) gas a prise on what I was say the only time is my blowing the had a principal (or they could become all the Wilderson For the exception. It's And phone and they all the edger administrators to a would get me into dieak to give up de principal's phone, they becaused me gat have much woulde lying raid them I Booked our bases using my borne reteenswering machine a support to do all of this, Waga had picked the look of the office that is attained the oid

After I educated the educators for a white, they sorta funda acknowledged that their goaten and their ketostadge of their spatian) was a julia, and even that what ma fee being wilding to fees up about the whole thing. They didn't peess any changes and the only positionary in excited was to "another" the specially positionated received was to "another" the specially didn't become innot regard. I was surprised at they early it all was and for years of here add teachers from the satisfy their second or these to satisfy their research to the satisfy their password for them.

I suppose that I needed to tell this stop because of all the innovative your readow description. I just wanted to remain a towled you had every end just north get you. This may wern hard to imagine white you're eventing the outcome of a major util as guiding screwed by the USSS, but constitute graphtone syprocipit the human sourcement they will actiow edge their even shortcoamps, and sometimes they will even the timing slide. There is some town of accordance for beginned who want adding naturalism to bord, as plone, and be amounted at what people are capable of doing.

Herburt

COOK TREES

Evision the computer lab helping some denotes Aff and what any computer taking tagged makes the shoulder formed wound and he was histlergrad, make the shoulder formed wound and he was histlergrad, says or 2000 and, or being, latited me one of the lab because I was "posing to threat." This is so for from the required was sent to be principal, who behalf at my configuration and, no my emprise, says, "Did you read that and to be the or The take for a while also the injurities and I was sent has to class. It wo fewer ms to know that had many subted offered to a dick."

997798

Specially managed to month that persons and under thin up, the mean of they to do the same must others so that there dup this in an 2 seems so should be.

THENT 26001

I write to you from my dock in 155 (In School

Sespension) for not wearing my If Thedge, We be have to wast these (the and if you do not wear them, you have to pay \$5.00 and spend a day in 195. I was string the resulting co007486 is better on the tags, and I sales read P2 1974 better, and I got pricked --we fill go ing a paint flyers for an ID dish day where we will usy to get every new the paint every day after until they lift the public If greather and 900 of as in 195. I dank to wall quot they can't pre-all 900 of as in 195. I dank to wall quot

my points. They demanded to know whether or built

THEFT

# Fast Food Facts

Excha a dock

Desc 2669:

Take is to all of you out there who egipty McDanaldix. I work at McDanaki's and during my those students of fit pring burgers I have upported some nery lateresting after madde diseast dead computer spetions.

The managers se Meibenrid a base a three digit clock is marshed Asiat managers are their three digit clock in machan as digit systemic people which is a six high sumfor. For malatice, Sor the imaginary manager has the clock in number of 100. Sha is action fragit. She specified think in number twice meet to make up her six digit presented, like 100 tig, All employees have a three digit comber that digit agreement with a 0 air from this 160.

In such Mid-based is there is a manifest with the manager's "orthod" which controls the entire store. Every find a flast beeps on the someon is controlled by the spatian. This system can easily be accessed from a number became by an entire the amother of the soot. Here exists the trickly point this so ring five times in order for the system is pickly. Easily, solled by knowing who time they possed these possible stage tracks in the manufacture they copied these possible stage tracks the monifest flows to the system of these possible stage tracks the monifest hours to obtain info fines as amounted you are paragraph for a possible stage and prompted for a possible stage.

types in their eache playee about the same time the unioning manager they receive investigated type in the code so they can playee actions food they get a half-going discount and wanter as employee to go on beedle. When the erasystem disk-up. This took is excepted by the large a manager password. You can get this a couple of ways. First, every Sanday night McDenthi's dives a got their municipes, Just lean over and that with an one agents mentions called at activities and and you have examendated. The second ways to got a tage. must do some crashing, and gates little movey unless employee's elock-to number. To obtain this sheet you tions and copylight worked that exercised (shap such Out a fact short of readyl paper containing all the sends into to the company through this up and it prints manager before closing. What tappens is the manager Now we are slock with the diletants of not having

Rig Mac

### Credit Files

I work as the thoracial services industry and it

Convidence Assessed or apply as a protection against the information being reported or cheseit. There is some recourse that has been built Givens, and spending asserts without your knowledge casa to your curied fanceful, employment, comingly eyes. Figure fall inconsecus audionwide have ready secan be done to go that this information fairing grying montectly or felling into the wrong hands, but it does person to know. For the most past there is trafe than connect) that you would ever want to source much constructed every individual content, out for making tions. Privacy to the respectability and smarklibe the port contrart volverage inferrestion factoral and inyour waders right new that your consumer credit tetion to held by the credit buttouts and francisk institu strikte, me to teneralig that so rauch private informa-

pall up your info it will politicly inform my that the a mode up achterse. No social? You problem, when I owe in the strainty with little more than their name and store. As an example, I can pell a cardinarport on any I bave ziene achood to your data thân you doca bid As a part of the internal workings of this Industry

> costs). What you had will stack and amade you. gard encoping rand believe to a those are a local back Seese of you who are outlook contful, and adept to that seeds so be hacked and understood. Leaderstage ic jesod largely on addrug Faundae. Taix is a system essain for existed ex and also excelledy valuable but Esperim, CRI, Tene Unique, and Equifus have the and a pheticial of other rights. Credit is extremely acco gled where sook at west rate years good group manny me manied, where you have applied for credit, and much you use it, whether or got you have been or with have an your cards, when your contrastrict is stall have how such you make, how much available medit you goods on you right new. They know where you work for field) is not even pleas to as complete as what I see you can request from them (it is your right to get one the fron pixing the consecut a copy, and the copy and that the confect one is XXX, XX, XXXXX, By the way, when I pull up a credit reject flack promitional by encial secretly number flow a characteristic secretary

しなが、大学の関係の Chiurado



www.eff.org/support/joineff.html. the web page at 94103 USA. You can also donate through Street, Suite 725, San Francisco, CA the EFF DVD legal fund at 1550 Bryant ence. Send a check or money order to can. Every person can make a differas many others to do the same as you decision is donate generously to the we pursue the appeal of the DeCSS Electronic Freedom Foundation and get The best thing you can do to help us as

perspect DVD disk sectors. tide keys and the third is the description of the the distribery, the second is the decryption of the into there steps. The first is the decryption of The decryption of data on a DVD enoughed through the CNS algorithm can be broken down

distant) le peodrese des des expessos confess the state brance of a 17 out linear Teachack which (along with any carry bits from the provious aidwhose pulpuls are summed eight bits at a time Referr (LINSR) and a 12 of LINSR, both of Each decryption step in sorreure requires

traguantly determined thosagh lookups into Ob the effect hand, the 25 bit LESE's only a is period introductive seasons and interest serious of ACRs. the anadame ward where the feedback is own If bit LESR is often implemented using a sin wa LESRs can be simulated in software. The There are any number of ways in which the

The contents of the low bits in one such

0696, 0596; 0594, 0596; 0686; 0681, 0682 0476; 0471; 0892; 6893; 0890; 0891; 0896 0455, 0456, 0457, 0460, 0461, 0462, 0463 0x51, 0x64, 0x64, 0x63, 0x65, 0x64, 0x64 0x51, 0x56, 0x57, 0x54, 0x55, 0x64, 0x6c (\$45, 0x41, 0x41, 0x42, 0x45, 0x44 Oxas, Oxas, Oxas, Oxdb, Oxda, Oxes, Oxes 0x58, \$207,0x35,0x86,0x87,0x87,0x87,0x81 Oxbr. Oxbe, thabil Oxfo, Oxbb, Oxbe, Oxbr. 0x57, 0x54, 0x55; 0x52; 0x53, 0x50; 0x51 \$250, 0x83, 0x84, 0x85; 0x86, 0x87, 0x89, 0x88 0x97, 0x94, 6x95, 8x95, 0x5a, 0x99, 8x98 \$18, 0x15, 0x15, 0x14, 0x75, 0x12, 0x13 0x78, 0x76; 0x04, 0x06, 0x18, 0x18; 0x18; ORSE, CROSE ORSE DESCRIPTIONS A ORSE ORSE (南水) (安水の) (安水) (安水) (安水) (安水) (安水) (安水) 20136. 0x 69, 0x 亩, 0x 亩, 5x 亩, 5x 亩, 0x 亩, 0x 亩, 2x36, 0x3e, 0x3d; 0x3c, 0x3b, 0x3a, 0x39, 0x55, 0x14: 0x15, 0x16, 0x12, 0x19; 0x18 2x21, 0x25, 0x27, 0x21, 0x25, 0x35, 0x36 Didth Onde, Oxdo, Oxdo, Oxdo, excis, Oxdo Dead, Oaks, Oaad, Dead, Peaf, Orak, Deafe 0x37, 0x34, 0x35, 0x32, 0x33, 0x30, 0x31 0x27, 0x20, 0x21, 0x22, 0x23, 0x34, 0x3x (907), (909), (908), (909), (900), (900), (900), (909), (909), (901), (901), (901), (901), (901), Control depression 2000 0001 0x02, 0x03, 0x04, 0x05, 0x06 1,0x1x,0x142.0x1x,0x241.0x251.0x26

> Orach, Oraca, Oracal, Oraca, Oraca, Oraca, Oracal, Ora Oxfel Oxfel Oxfel fixes, fixes, Oxfs, fixes, Oxfo, See Freeze Good, Over J. Oxfor, and fixed Usef, Osea, Osea, Osea, Osea, Esset, Osea Delft, 0x15, 0x22, 0x15, 0x90, 0x11, 0xed, 0xec

N cines are composed at the following values repaired The opposits of the high bits lockup table

Oxde, and Oxfo. 0x.07, 0x.00, 0x.24, 0x.43, 0x.5d, 0x.92, fix856 0x60, 0x24, 0x45, 0x54, 0x92, 6x55, 6x65

the above tables, and using the XOR of these th hits of the LESR as two eight hit offsets into bit LFSR culput by using the lesse a guidacer, Using this exched, one departmes the 25

inversion mask before summing with the 25 bit. required, simply XOR the 17 bit LTSR with the bits of coopus from both LESRs plus any carry hits from a previous addition. If an inversion is The plain text is electional by samuning cight

for this round of encryption. formed with a four state inverter in position t the UESSLA bit investion of the output is per-LFSR state is used to obtain the next state of avoid and cycling. A wise betain with the LSBs are shifted up a bit. Bit 4 is set to 1 to K with the new 24 bits (specifically, bits 16 or to I so avoid out leaving. Seat the 25 bir LESR the first 16 bits of a player key and yet the MSB disk key hash speed on disk. In order to start erypted disk key we mast attempt to decrypt the (9) of the player key. All bits except the times lated shift registers. Steel the 17 bit LFSR with decrypting keys we must first set up our sime. hados to the same 40 bit vidue as the decrypted keys. The search ends ence a decrypted key disk key with each of the machine's player ser of player keys. To determine the correct de-Each player is proprogrammed with a small

ters are can now read each sector of the disk 2. Using the tale key as isput to the shift regiscryption is parferced with the inverter in State disk lies, we will now use the disk key to do. affricated door process with the inverter in and easily decrypt the data blocks using the disk. The final felt in system in this round of deoccurrence are the energiated sections of the DVD crypt the title key. The title key is used for the Using the same powers that decrypted the

a lactop in your car. comparer, h's elittle more that just sticking started on the path to an effordable can play MP3's, hack, or as a really complex red box. This article is interreted to get you a small unit that would run off the car for su computer in your car. You could use It to por, super cheap. It would be need to have a there. So I set out to discover how to greate car without at less! a bare bone unit in would be impossible to go anywhere in my spend so much time by my operputer that it So I'll be driving spon, I realized that I

display and power obvious problems there are the two pathusisst knows As any electronics

(What do you think simply speculation some of this is by any risears, and hardware hacker self. I'm not a

Info on the unit it. mese as well as few solutions for

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much cash! So let's just take a look and see bucket You could buy another car for that how far we can stretch our funds. article, I saw price tags reach up to 2000 Trainage of - money?). In research for this

The Unit Itself

SOURCE STORING puter case and just put it by the passenger space to burn, you can use a desktop comnover the actual computer. If you have Before we start on the hard study ters

in a lif you choose a desktop computer, you pick the spees. If you want lots of ram, line Friends really care. The unit I am creating is



have a little more cash and want semething super small, I suggest looking at the weervibrations it gets from driving around. If you a high risk of hard drive taburs with all the you even ward MP3's). Just be sure not to RCA to Mini jack to plug into your emp (t a 253 mhz, 52 megs of ram orasper I made sound card. I'll leave the speaker setup to to have a large hard drive and a good with spare parts and a decent sound cand. If keep the usit in your trunk. There is stready put your subsinext to your computer if you you. Just go to Redio Shack and buy an you want MPS capabilities it's a good idea able compater com-

comprehise size munity. They have for options with Contraction of the same of the there. You have to 97.50 de 02.180 farmy pack. Sound STOUTH OF BUR ing things at MIT, you san sarry in a Licux boxes that

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working card to transport MP3's and other M. Also, it's a good lose to stok in a net-Pius you can make a goal looking shell for bost - it's not as power nungry as Windows system is up to you. I think Linux would be

The Display

as basic as possible - don't want anyone to that is simple to install. We want to keep it itave. The best idea is a small LCD screen on a "mobile phreak unit." This guy accoally done it, but you have to work with what you put a whole argailor in his card I don't con-In research for this action I med a paper

glockrouse themselves.

ers, but still obesper that any commonant good e screen will oost about 200 smackis not a good display choice for DVDs. That metherboard with at least one ISA slot. This and want this display type, be sure to boy a card is ISA, not PCI. This is ekay for most you're good to go. The any problem is that geople, but if you are starting from scratch Just plug the card into the motherboard and 5 7/6 x 10 3/6 9/8 in monochroma display. needs, 89 bucks for an ISA card that works Kits. This is by far the best solution for our likes http://www.ellefec.com/VG&LCD.html chesp is electronic surplus abreat treatly with most every OB and a 640x480 capable The best place to get LCD screens

of your cer with a small LED display. under your sest or in the radio compartment super small MPS player that will it either If you are a good EE you can design a

The Power

to his site for more info. If you smake and switch would work tine. ing a State ower Pode Waltz 300 DC to AC resolt to keep the unit in the trunk, I think a toop ted after so he didn't get any hum. Go grounded the power by means of a ground puter crashes he can reboot it. He also instead of the bettery because if his ownbelow). He plugs it into the eigenetic lighter iblis idea from Riskeble's car computer (see power inverter in the unit I'm neaking. I got guidance in these desperate times. I am us squar. I turned to the Internet for help and hacker and when it comes to power, I know Like I sald before, I am no hardware

The interface

wites if you keep the unit in the trunk. entirely up to you. Be sure to have long board or modify a laptop keyboard. This is ped mouse. You could try to find a mini keywireless Reproped and a wireless or touch go this route, I suggest getting a cheap mouse are the cheapest ways to go. If you This one is simple. A keyboard and

Conclusion

car computer, tiet's give it a name. The hundred bucks to spare, I suggest making a if you have an old computer and a few

> Now lot's get ready for some Herd-Dave. Econoline Carcomp 8000, Yeah, that's gool

Components

monochrome display with controller card-A 640x460 capable 5 7/8 x 10 3/8 9/6 in A design wer forewartz 300 water A 238 mhz computer with 32 mags of ram. Power Inverted \$50 10 gig HO cased from (spare parts)

adapt a computer to a can from the 189 bucks to Total: \$169 Touch pad mouse: §20 A Ground loop isolator, \$10

Resources

Controller days

http://rehmt.www.media.mit.edu/people/ch mitHackMan0.4.html - Hackman wearable comp without a spread. Always an option. Same guy called Riskable who nede a cer http://riskable.youtgowwhat.com/car.html .

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# Marketplace

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You can help spread the word by sporting our stylish anti-MPAA behirt. The front looks a lot like the cover to our Spring 2000 issue while the back has the above scary caricature of MPAA chief Jack Valenti.

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